

Manufacturers Record

Exponent of America



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JULY 15, 1926

Child Labor in America.

Perhaps no other economic question in this country has ever been so thoroughly misunderstood and misrepresented as the so-called question of Child Labor. It is needless to say that the Manufacturers Record is opposed to the employment of immature children in factory work, and this is the position of nearly all the leading manufacturers of the country. Immature children are not economically profitable in factory employment and would, therefore, not be desirable from that point of view alone. But most of the employers of labor in this country, being fathers themselves, are just as deeply interested in childhood welfare as are the so-called Child Labor agitators, who, in most cases entirely misrepresenting the position of employers, have filled the land with many falsehoods on this question.

A very large proportion of the children reported by the Census Bureau as engaged in gainful occupation are on the farms of their parents and do more or less work around the garden, in helping about the livestock, or in activities of this kind which are generally a benefit rather than an injury to childhood. Tens of thousands of children engaged in selling newspapers—bright, alert and energetic youngsters—are helping to build their character and business life while doing this work.

Questions pertaining to Child Labor, therefore, should be studied from all of these angles.

The manufacturers of the country, to a large extent, are leaders in the individual states in bringing about legislation for the protection of children.

In order that the facts may be studied as to the number of children in employment, the proportion in factories and on the farms, the ages of the different classes, and that many other facts may be given to our readers, the Manufacturers Record is publishing in this issue a remarkable 16-page report, illustrated by colored diagrams, so complete that "even the wayfarer, though he may be a fool," need not hereafter go astray as to what is being done in Child Labor employment and the character of the work performed.

This comprehensive story should be widely distributed by business men of all classes throughout the entire country, that the actual facts may be known, and thus destroy the power of the sensation-mongers who are constantly making statements on this subject, many of which are without a scintilla of foundation in fact.



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Table of Contents

Baltimore, Md., July 15, 1926

Child Labor in America.....Cover Page

EDITORIALS

Will the Cotton-Mill People "Beat a March to Victory"?	55
Danger of Business Interests Depending Upon the Government	56
A Lawyer's Appeal for Cancelling Debts of Allies	57
Flood Control a National Problem	58
Senator Bruce's Erroneous Statement As to Business Failures	59
South Carolina and Other States Should Visit New England	59
Congressman Strong, the Innocent!	60

NEWS ARTICLES

A \$10,000,000 Electric Power Extension Work	61
Industrial Growth From the Realtor's Viewpoint.....By Robert Jemison, Jr.	63
West Texas As an Inspiration for Others.....By Albert Marvin Hill	64
\$3,000,000 Sewer Project Being Completed at Richmond.....By G. M. Bowers	67
England's Labor Troubles and the French Situation.....By Arthur Kitson	69
Lake Lure Power Development in Western North Carolina.....By Bart Lelper	71
\$2,000,000 for New Baking Plants to Be Erected in Four Florida Cities	72
Another Large Cotton Crop Indicated	73
Activity in Pasco County, Florida.....By Carl H. Rerick	74

FACTS ABOUT CHILD LABOR

*Sixteen Pages of Important Charts and Statistics on the Question of
Child Labor in America.*

Industrial Progress and Diversified Agriculture in Louisiana.....By C. H. Kellogg	75
Labor Goes Into Real Estate and Finance	76
Dairy Opportunities Southward.....By A. B. Bryan	77

DEPARTMENTS

The Iron and Steel Situation	79	Construction	86
Railroads	80	Machinery, Proposals and Supplies Wanted	103
Good Roads and Streets	82	Trade Literature	108
Lumber and Building Materials	84	Industrial News of Interest	108
Mechanical	85	Financial News	110

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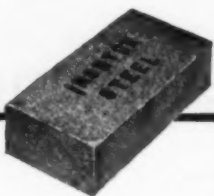

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Will the Cotton-Mill People "Beat a March to Victory"?

H. H. WHITE, a sales engineer of Atlanta, Ga., in a letter to the MANUFACTURERS RECORD writes:

"Your article on 'The Cotton Industry Has Failed to Keep Abreast of Modern Methods' in the June 24 issue is so good I cannot refrain from a few observations myself.

"This present flurry of curtailment in the cotton industry and, as was mentioned some time ago, the running to Washington for Government help is, to my mind, the result of lack of thought of the selling end of manufacturing. It is scratching the surface without getting down to the root of things.

"I have been selling to the cotton-mill men for nearly twenty years, and a better set of buyers cannot be found, but what I cannot understand is the lack of deep thought on their selling methods.

"It is easy for a man to sit in his office and wait for a customer to come in and place an order, but such methods do not accomplish results like getting out to see the customers and making new markets and getting orders. 'Order taking' is not salesmanship. The cost of 'order taking' is often greater than the cost of salesmanship, although it would not be so much. It is all in the application.

"Consider a mill having an annual output of \$1,000,000 paying 3 per cent commission for selling this output. The sum of \$30,000 is paid for this selling. Even a smaller mill of only \$500,000 annual output and paying 5 per cent commission pays out \$25,000 yearly. Let this same sum be applied to hiring their own sales force so that these salesmen can be sent to the trade; these salesmen can be controlled and prices set that the mills can make money on. Big mills can well afford to do this, and some are doing it, but how about the small mills? A study of what other lines of business are doing will soon show that the smaller mills cannot afford not to do this. Good salesmen can be found who would be glad to take on, for example, a line of flannels and outings from one mill, sheetings and drills from another mill, osenaburgs and denims from another mill, and so down the line, so the sales force would have a full line for all the trade and yet non-conflicting.

"Let the mills go further and open their own sales office in some distant sales center. Expenses can be prorated between the mills, and instead of paying from \$15,000 to \$50,000 a year each mill will have to pay out only a fraction of that amount. Best of all, they will be in direct contact with the trade. They can direct sales efforts, sending their men to new fields and even to foreign lands where real salesmen can find new opportunities and big markets.

"Your article in the June 24 issue mentions the case of the raisin-grape trade; so is it true of the California oranges. Curtailment nearly broke them. They started a real sales campaign and expanded, and we all know the result. You can find raisins and oranges neatly packed in containers and in attractive papers over nearly the face of the globe.

"Why talk curtailment? What is needed is expansion, backed by some good backbone. If they can't sell by means of 'order taking,' then hire some real salesmen and get out over the earth and make new markets. Modern business cannot sit down and wait for orders to come in. It must hustle out and find orders and make markets."

The views expressed by Mr. White have long been held by

the MANUFACTURERS RECORD, and suggestions have from time to time been made to cotton-mill men that they specialize in certain brands of goods and make their brands widely known throughout the country, that they become independent of cotton commission merchants and thus create a permanent and steady market for their products based on quality and brands, which always guarantee the quality of the goods.

It may not be amiss in connection with the suggestion of retreating instead of advancing to tell the old story, which, whether true or not, illustrates the case in regard to Napoleon and the drummer boy. It is said that in one of his battles Napoleon felt that the day was lost and commanded the drummer boy to "beat a retreat." The drummer boy, so the story goes, said:

"Sire, I have never learned to beat a retreat, but I can beat a march that will make the dead to rise and fight again."

Receiving the General's permission, he threw his whole soul into beating a march with such tremendous energy that the disheartened soldiers caught the inspiration of the music, advanced again to the fight and won a great victory.

"Beat a retreat" has too often been the cause of gigantic losses to business interests, when if they had had some daring soul to "beat a march" with enthusiasm and energy they might have gone on to victory. The cotton-mill interests have to a considerable extent been encouraging the "beating of a retreat," when they should have been telling the drummer boys to "beat a march." The cotton-mill industry, for example, has never established a research department comparable with the extent of the industry. It has never aggressively sought for new avenues for the expansion of its trade and to too great an extent it has depended upon selling through commission merchants. It has not believed in advertising or publicity, and very few of the cotton-mill people of the country, South and North alike, have ever grasped what publicity means. Indeed, the whole cotton trade, involving its billions in production, and manufacturing and distribution, has always failed to recognize the power of rightly directed publicity. Pessimistic tales of the rankest kind have year after year been spread broadcast about cotton growing, and often with the same activity about cotton manufacturing. No broad, concerted effort has ever been made to create new and wider markets in this country and abroad for cotton goods by any well-conceived and well-managed plan.

The cement manufacturers once faced a danger of bankruptcy, for there were more cement mills than were required and the business for a long time was in the slough of despond. But the cement people got together, organized a system for creating new and wider markets for cement, pointed out the

various ways in which cement could be utilized, encouraged the development of the things which broadened the market for cement, and as a result there has been phenomenal growth in the industry, with adequate profits for the investors.

The lumber people have done something of the same kind of work; the steel men have done a great deal in publicity campaigns, encouraging the use of various kinds of steel; the brick makers, depressed by fear of the lessened demand for bricks, due to cement construction, began a campaign of publicity to prove that bricks were the right kind of building material, and so all down the line there has been this kind of active, intelligent publicity creative work, it may be called, for finding new uses for manufactured products and creating whatever products might be needed for new activities thus brought into operation. The whole cotton trade, from the grower to the producer and the seller, has been sadly negligent in this respect.

Comparatively few Southern mills have established brands for particular lines of goods and made those brands so widely known as to compel consumers to call for their goods. How long, we wonder, will the cotton people of this and other countries face the necessity which was met by the grape growers and the orange raisers of California in enlarging the market for their products, instead of curtailing, merely because there was an apparent slack in the demand, or because the output exceeded the demand which existed. They determined to create a demand equal to the output; in other words, they determined to "beat a march to victory," and they won. Will the cotton-mill people of the entire country heed the lesson?

GEORGIA NEEDS TO PRODUCE MORE FOOD.

FIGURES showing the situation in Georgia with reference to the production and consumption of some principal food products have been compiled by the Georgia Utilities Information Committee. They show that progress has been made in putting Georgia on a self-sustaining food basis and illustrate that the state produces other things than cotton, although there is still a great quantity of food products bought outside of the state which should be produced by its own people. Georgia has long been a great cotton state, and in 1925 it produced 1,164,000 bales of cotton, but perhaps it will prove a shock to some Georgia cotton farmers to know that the value of the state's annual cotton crop is less than the amount of money spent by its people for food products bought outside the state. Based on cotton selling at 17 cents a pound, Georgia would have to produce 1,375,000 bales of cotton to pay for the beef, pork, corn, poultry and dairy products annually imported into Georgia from other states.

Particularly do these figures indicate that Georgia can greatly profit by producing more of its own foodstuffs, for they offer a large home market to Georgia farmers.

A tabulation of the production and consumption of some of the important food products in Georgia is given in the following:

Commodity	Production	Consumption
Butter (pounds)	5,000,000	50,000,000
Beef (pounds)	98,000,000	191,000,000
Pork (pounds)	66,000,000	264,000,000
Eggs (value)	\$13,750,900	\$22,500,000
Poultry (value)	\$11,250,000	\$18,000,000
Corn (bushels)	51,492,000	68,286,000
Hay (tons)	608,000	2,665,000

There is not a single production item in the foregoing list but could be increased at least to supply the state's consumptive requirements. Georgia has made progress in diversification, but its farmers are still not making the most of their opportunity to profit from greater diversification and capture at least a far greater portion of the home food market than they are now doing.

DANGER OF BUSINESS INTERESTS DEPENDING UPON THE GOVERNMENT.

SOUND views on Government paternalism are expressed by Senator William H. King of Utah in the subjoined comment on a recent article in the MANUFACTURERS RECORD deploring Government influence and control over private business and industry and the subservience of private business and industry to such Government dictation. Since 1897 Senator King has sat in Congress, first in the House and later in the Senate, in which he now is a member of the Committee on Finance, and in commenting on the progressive assumption of private business control by the Government he knows whereof he speaks. He says:

"I congratulate you upon the position which you have taken in regard to the functions of the Government and its proper relations to business. You have pointed out in a vigorous manner the evils resulting from paternalism and the policy of having the Federal Government project itself into private enterprises and into the lives and business of individuals.

"It is vital to the preservation of our political institutions that our dual form of government should be recognized and that there should be no encroachments by the Federal Government upon the states or local self-government or the rights of individuals.

"There are many unwise persons who do not understand that the Federal Government is one of limited and enumerated powers; that its duties are national and not local; that it is not a paternalistic or socialistic government, and that it has no right to enter the field of private endeavor or business activities. Congress is constantly importuned to extend its activities beyond the limit of its authority and to impinge upon the states and the liberties of individuals. If any economic or industrial ill arises, there are many foolish people who insist that the Federal Government should attempt to correct all such ills by national legislation and Governmental interposition.

"Your criticism of the efforts of some persons and of certain private enterprises to have the Federal Government interfere in matters belonging exclusively to individuals or to the states is entirely warranted. I commend you for your position upon this question and hope that you will continue your efforts to arouse the American people to the dangers which will inevitably result if Federal bureaucracy and Federal paternalism strengthen their hold upon our political institutions as well as our economic life.

"Unfortunately, there are many business men who are inviting the Government, and particularly the Department of Commerce, to become the guardians and protectors of private business; and now, as in the past, executive and Governmental organizations, departments and agencies are ambitious to extend their jurisdiction and increase their power. There are bureaus and executive agencies in our Government which welcome the opportunity to control private enterprise and project the Federal Government into all sorts of business and industrial activities. There must be a renaissance of the spirit of local self-government; there must be a stronger individualism developed; state lines must not be broken down and the people brought into a sort of protoplasmic mass, to be moved and stimulated only from Washington and by Federal bureaucrats.

"We will soon have a million Federal employees. They are now infesting every part of our land, intruding into private business and seeking to control the thoughts and lives and actions of the people. And the pity of it is that the spirit of individualism is being submerged and many of the people are not only welcoming but are pleading for the assertion by the Federal Government of unauthorized power.

"I hope that you and other writers and journalists and publicists will challenge the attention of the people to the heresies which are being introduced into our political and economic life. I hope that you will continue your assaults upon the foolish and hysterical persons who want to pervert our form of Government and promote the socialistic movement which is finding so many adherents throughout our land."

So clear, so positive and so convincing is Senator King's letter that it well may be left to speak for itself, without comment or further emphasis.

A Lawyer's Appeal for Cancelling Debts of Allies.

IN a petition, a copy of which he sends to the MANUFACTURERS RECORD, to the President of the United States, Frederick W. Peabody, a prominent member of the bar in New York, Massachusetts and California, urges that the so-called "debts" of the Allies for moneys advanced between April, 1917, and the Armistice for prosecution of the war be cancelled. These "debts", he estimates at upward of \$27,500,000,000, "three times the amount of the credits accorded them by us, not to mention what we owe them for having saved us in averting a contest between the United States and her enemies alone." Mr. Peabody's petition should be widely read by the people of this country. He states the case fairly, fully and strongly.

As the MANUFACTURERS RECORD sees it, the amount of this "indebtedness" is a negligible factor, whether it be \$2.50 or \$27,500,000,000. The items of national honor and national honesty—in which, indeed, are involved the personal honor and honesty of every individual in the American nation—are the points to be considered. The MANUFACTURERS RECORD favors cancellation on the ground of honor and honesty and justice. National and international honor and honesty, alone and in themselves, demand cancellation of these "debts." To summarize:

Honor: As a member of a defensive coalition of Belgium, France and Great Britain, the United States contributed money in place of the lives which for over 15 months it was unable to contribute to the copartnership. The associates of the United States contributed hundreds of thousands of human beings—human lives. These lives these associates never can reclaim from the United States or from any other human power; these associates have lost for ever their contribution to the alliance. Shall the United States demand return of its own contribution to the common cause merely because this contribution was a certain stock of tangible dollars, instead of mortal, human beings, absolutely irreplaceable?

Honesty: Through their own chosen representatives in both branches of the Congress the American people proclaimed to the world that these financial advances were America's contribution to the common cause of civilization. Through their own chosen representatives in Congress they openly promised, in effect, that no demand for repayment of these moneys ever would be made—"I hope any one of these loans, if we make it, will never be paid and that we will never ask that it be paid," said United States Senator Kenyon, for instance. After advancing these moneys as a copartnership contribution and promising that payment never would be demanded, shall the United States now welch and wring its contribution from the associates to whom this promise was made?

The honor and honesty of the United States are concretely and actually involved; it is not a question of idealism or charity or any other virtue.

To demand from the Allies repayment of these "debts" is for the United States to place a common, monetary value on every American life spared through American substitution of a money contribution for a contribution of living men. The actual economic value of an American life can easily be computed by any competent statistician—he has only to take the aggregate advanced to the Allies, in place of lives, and divide it by the number of American lives which would have been lost had the United States put men promptly into the field, instead of delaying over 15 months.

For instance, the funded indebtedness of foreign Govern-

ments to the United States is thus summarized by the Commission on Commerce and Marine of the American Bankers Association:

	Great Britain	France	Belgium
Principal	\$4,600,000,000	\$4,025,000,000.00	\$417,780,000
Total to be received..	11,105,965,000	6,847,674,104.17	727,830,500
Present value at 3%..	4,922,702,000	2,734,250,000.00	302,239,000
Present value at 4 1/4%.	3,788,470,000	1,936,509,000.00	225,000,000
Present value at 5%..	3,296,948,000	1,681,369,000.00	191,766,000

Thus, the total here shown to be wrung from the Allies is \$18,680,000,000—one will note that in the case of France it actually is figured down to the petty pennies.

But not even that total is to be used in computing the value of an American life—a human life; for the principal sums, it will be seen, total only \$9,000,000,000.

Roughly speaking, let us estimate that 1,000,000 American lives were spared in the interim between the time America entered the war and the time it put its soldiers into battle, and it will be found that the people of the United States value the life of an American human being at \$9000.

Is the United States unwilling to "lose" \$9000 in order to save one human, American life? Is it unwilling to "lose" \$9,000,000,000 for the sparing of 1,000,000 human, American lives?

Some persons—and the number is increasing daily—advocate cancellation of these "debts" merely on material economic lines. The international trade of the United States suffers, they aver, because of the heavy burden of debts on the shoulders of the Allies. Through the divine law of compensation, good brings returns in goodness, material as well as spiritual; evil begets evil returns, material as well as spiritual. The present American evils of national dishonesty—in the repudiation of promise—and national greed are inevitably bringing their own material evil return in world-wide enmity to our country, and for which we are largely responsible.

To cancel these "debts" merely because they work hardship to the American creditor would be merely parallel with a man abandoning the practice of wicked usury for the sole reason that it's apt to get him into prison, instead of for the moral reason that it is wrong in itself.

"The full funding of the war debts is only a step toward problems involved in it of the most delicate and perilous kind. It is a subject upon which Americans ought already to be doing a lot of hard thinking," said a recent editorial in the New York Times

While this apparently was written in strictly a material viewpoint, it is equally applicable from the viewpoint of national honor and honesty. The national spiritual problems are even more "delicate and perilous" than the material problems. The subject of American national honor and honesty is one "upon which Americans ought already to be doing a lot of hard thinking." And it pleases us to believe that more and more Americans each day are "doing a lot of hard thinking" about national honor and honesty. Outstanding among these is Mr. Peabody, but indications are conspicuous that he is by no means alone.

"You are being sold, betrayed, dishonored," says Mr. Peabody to the American people. "Your great dead demand your vindication. Your unborn must not be shamed." And quotes: "Once to every man and nation comes the moment to decide in the strife of truth with falsehood, for the good or evil side."

And we believe that when the American people grasp the real situation they will tread under foot the selfish politician-statesmen who at the moment are the greatest obstacle in the path of the United States to the rescue of American national honor and honesty.

WHAT FLORIDA IS DOING.

CONCRETE proof that the development of Florida is actually sound and permanent and not in the least evanescent in its nature is conspicuous in the advertising pages of the *MANUFACTURERS RECORD*—by no means the least interesting section, by the way. For instance, in the issue of July 8 were three and a half pages of "Florida Proposal" advertisements, the known values of these items aggregating \$2,500,000 and the unknown values bringing that total to at least \$1,000,000 more.

Included in the list are: Municipal improvements at Melbourne; inlet district work at Fort Pierce; school bonds at Key West; school bonds at Vero Beach; street-paving work at Lakeland; paving and sewer work at Perry; street improvements at West Palm Beach; street paving at Apalachicola; water-works distribution system at Fort Lauderdale; sanitary sewers at Orlando; sewer-construction work at West Palm Beach; school building at Bushnell; water-treatment plant and pumping station, Fort Lauderdale; sewage-pumping station, etc., Fort Lauderdale; electric generating unit, Palmetto; well drilling, Bradenton; steel cages for jail, Stuart.

Such activities in any state indicate a development permanent and sound; these are constructive propositions.

DR. HORACE D. TAFT ON PROHIBITION.

DR. HORACE D. TAFT, of the well-known Taft School, Watertown, Conn., a brother of Chief Justice William H. Taft, has sent the *MANUFACTURERS RECORD* a copy of a brief address which he delivered some time ago at a rally in Trenton, N. J. The statements made by Dr. Taft were in answer to what he regarded as an unwise speech of Dean Gauss of Princeton at the St. Louis Princeton alumni dinner. In the course of his address Dr. Taft said:

"Dr. Christian Gauss, dean of the College of Princeton University, appears in the paper as having attacked Prohibition and its dreadful effect on the morals of all universities in the United States. It is another example of judging conditions in this country from the condition of a very small fraction of it—and a prejudiced view of that fraction at that.

"There are many universities in the great West and Center, each containing many thousands of pupils, in which the question of Prohibition is a settled one. A debate on it would be like a debate on slavery. They not only take for granted that this is the settled policy of the country, but they also propose to carry it out, and the few representatives of what Dr. Mayo of Minnesota calls 'the social froth' are kept in thorough subjection by a law-abiding public opinion.

"A friend of mine who has been for 30 years a member of the faculty of a great Eastern university in the wet section, a university never suspected of any dry tendencies, remarked to me:

"I am strongly opposed to Prohibition and always have been. I will admit to you, however, that the effect of Prohibition for X University has been good. I know whereof I speak, for I have been a member of the committee on discipline from a time dating back many years before Prohibition. I know conditions intimately. I do not pretend that the students are prohibitionists or are not drinking. But the change has been simply revolutionary. In the old days our committee was constantly busy with cases involving intoxication and the disorders arising from it. Now we have practically no business of the kind at all to transact. Moreover, this is in spite of the fact that in the old days we never troubled ourselves about a case of mere intoxication if it had not resulted in some kind of public disorder; whereas, now, intoxication of itself is regarded as cause for the severest penalty."

"This is testimony from an unfriendly witness. Those who differ with him differ not so much in regard to present conditions as in their memory of the old days."

Many of our readers will doubtless remember that when the

Prohibition question originally was under discussion Dr. Taft was opposed to the adoption of that measure, but that since then he has repeatedly written insisting that the duty of every patriotic American, young and old, is to obey the Prohibition law. In the course of a personal letter, referring to a quotation which he gave of a member of the faculty of a Western university, he writes:

"These remarks of my friend in regard to the university in question seem to me to be a smashing answer. They are going to have a tremendous rally in Washington on the part of the wets, but I do not think they can accomplish much."

FLOOD CONTROL A NATIONAL PROBLEM.

STRONG and logical advocacy of continuing and continuous flood control for the Mississippi and the territory of its tributaries, rather than the intermittent and ineffective regulation now attempted, is expressed by the National Flood Prevention and River Regulation Commission in a brief to the board of engineers appointed by the Secretary of War to consider flood control on the lower Mississippi and Atchafalaya rivers by the construction of spillways. In effect, this brief advocates expansion of the levee idea of control so that it shall be supplemented by spillways and source-stream control.

As this brief well says, some 25 states contribute both dry and wet weather drainage to the Mississippi basin, and, while "development of almost every character in these states affects the flow of the Mississippi," the low-lying states exercise no control over development work in the high-lying states. "The low-lying states are powerless to regulate flood formation in the source streams, or to conserve water there for navigation purposes." Clearly, then, the brief argues, the problem becomes a national question, and this fact has been recognized by the Federal Government in the creation of the Mississippi River Commission to work out a solution.

The Mississippi River Commission, the brief explains, has adopted "a policy of confinement, only—levees, only"—and under its theories about 27,000 square miles of marshes, lakes and bottom lands, "which the river formerly used as a natural reservoir in times of great floods," have been taken from the river by the levee system. Undoubtedly, this course is accountable in large measure for the inexcusable and ridiculous fact that, at times, parts of the Mississippi basin suffer from drouth and at other times suffer equally from floods.

"The National Flood Prevention and River Regulation Commission is advocating the adoption of a national policy under which the water resources of the country will be used for beneficial purposes, in place of wasted in destructive floods as is now the case," says this brief. "Spillways on the lower Mississippi come within the scope of that policy. An emergency exists on the lower Mississippi, and spillways should be placed there without delay, but as part of an ultimate national plan to harness the flood drainage of the country so that it may work for man instead of work against him."

Among the benefits to be attributed to this general policy, the brief cites, are: Conservation and use of now wasted water; stream-flow regulation in aid of navigation, power development and flood control; checking of soil erosion and the clarification of streams.

To the average layman, especially if he be at all familiar with the Mississippi River, the Mississippi basin and the territory and sources of its tributaries, this policy of the National Flood Prevention and River Regulation Commission will appeal as practicable, sound and constructive. It is to be hoped that the trained engineers of the Government now will clear the way for early adoption of some system which at least will be a tremendous improvement over the present, ineffective levees-only practice.

SENATOR BRUCE'S ERRONEOUS STATEMENT AS TO BUSINESS FAILURES.

IN a recent statement in the Senate, replying to Senator Simmons' report on the adverse condition of the farmers of the country, Senator Bruce of Maryland said:

"That is true at all times to a certain extent of all elements of American population. About 90 per cent of all the corporations that are formed for one business purpose or another either fail to make any money or go into bankruptcy."

Senator Bruce has in this case, as in others, simply picked up without investigation wild statements made without being based on any authority whatever. To say that 90 per cent of all the business interests of the country eventually fail indicates a lack of knowledge of American business which is so astonishing that we wonder how a member of the United States Senate, supposed to be at least fairly intelligent, should make such a statement. If it were true that 90 per cent of all the corporations that are formed for one business purpose or another failed to make any money or got into bankruptcy, there would be a degree of pessimism and poverty throughout the land entirely contrary to the actual conditions.

It is rather remarkable that a man holding Senator Bruce's position, unless he is accustomed to talking without having any foundation on which to base his statements, should present such an argument in the Senate or anywhere else.

This statement was referred by the MANUFACTURERS RECORD to R. G. Dun & Co. of New York and to Bradstreet's, the two great commercial agencies which constantly cover the business interests of the entire country. D. R. Little, editor of Dun's Review, in his reply said:

"At frequent intervals we are asked what percentage of the total number of business concerns fail, the impression apparently being that from 80 to 95 per cent fail. In point of fact, there is no basis for determining what percentage of those who at one time or another go into business ultimately fail.

"While the records kept by Dun's Review do not show what percentage of firms in business eventually fail, they do indicate accurately, however, the percentage that fail each year. Examination of the records shows that since the close of the Civil War the ratio of defaults to the total number of firms in business in the United States has averaged barely 1 per cent per annum. We shall enclose herewith a pamphlet giving the percentage of failures to the total number of business concerns for a long period of years, and trust that the information will be of interest and value to you."

Frank Greene, managing editor of Bradstreet's, writing in reply to the question put to him, said:

"Your inquiry is one very similar to others that we receive from time to time regarding this matter, and I think may be answered as we have answered others; that is, in the negative. We have some statistics going to show that the saying, legend, tradition, or what you will, to the effect that 90 per cent of all men in business fail, is not correct. We know of nothing in the way of statistics that would indicate that it is correct.

"I say this with full knowledge of the fact that 'Bradstreet's' itself has frequently been cited in support of this tradition, and can explain it only on the ground that statements made as to the rate of mortality in general business have, in the lapse of the years, become distorted; and, thus distorted, have been applied to all business life, a period for which may have been selected by the observer.

"Many years ago, in compiling statistics, we were interested to observe that the annual business mortality, that is, of people failing unable to pay their debts, constituted a more or less certain percentage of all those in business, the percentages varying accordingly as normal or abnormal conditions in general business dictated. You will observe from the enclosed table from 'Bradstreet's' (the journal) that in 1925 the proportion failing was eighty-four hundredths of 1 per cent; that in 1919 it fell to only twenty-nine hundredths of 1 per cent; that in 1893 it rose as high as 1.46 per cent, and has, as above stated, varied, largely speaking, as business conditions dictated.

"We have never attempted to apply an annual percentage of business casualty to a business lifetime for the very good

reason that the duration of the lifetime may vary with the individual, the nature of the business itself and the character of the years he is in business. Others have, however, chosen to fix upon a certain period of time as a business life, and we presume that this was the shadowy basis for the saying now apparently crystallized in the legend that "'Bradstreet's' says that 90 per cent of all men in business fail."

"While on this subject it might be well to point out that there is more than one kind of a business failure. First, there is the failure to meet and pay monetary obligations in full. This sort of failure is specifically covered by our reports of failures, weekly, monthly and yearly. Second, there is the failure to SUCCEED in a certain mercantile undertaking. Of the former there were 18,859 in the calendar year 1925, or eighty-four hundredths of 1 per cent of all those in business. As to the second, I would say that there were 401,079 names erased from Bradstreet's Book of Ratings in 1925, while there were 422,244 new names added. How many of the former voluntarily retired or were forced from the ranks because of their failure to succeed, some of whom perhaps reappeared in the list of new names, is an unknown quantity. There are no statistics whatever on this feature, nor does it seem possible that the necessary information could be obtained from which an opinion of any value could be deduced. If the direct question is asked us, 'Do 90 per cent of all persons who engage in business FAIL TO PAY THEIR DEBTS?' we would answer 'No,' because our records show that the annual death rate by commercial failure is only about 1 per cent."

With a percentage of failures amounting on the average to less than 1 per cent of the total number of business enterprises reported, and for a large part of the time from 1900 to 1925, according to Bradstreet's running as low in one year as .29 of 1 per cent, and ranging from that to a fraction higher, and only twice in all that period exceeding 1 per cent, the absurdity of Senator Bruce's statement is easily seen.

SOUTH CAROLINA AND OTHER STATES SHOULD VISIT NEW ENGLAND.

ON editorial suggestion from the Columbia State, the South Carolina Commercial Secretaries' Association endorses heartily the idea that South Carolina shall pay a visit to the Northeast and New England at an early date. The trip would be in the nature of a return call to the state of Maine, which "dropped in" on South Carolina on its visit to Florida last winter.

"Recently," says the State, "it was announced that for some reason the call by the state of Maine would not be returned by the state of Florida this year. But why should not South Carolina make a return call and, incidentally, linger a day or two in such states as New Jersey, Connecticut and Massachusetts, and even let the city of New York know when they are in town?"

A capital suggestion. Nor is the South Carolina Commercial Secretaries' Association alone in belief that such a trip "would be of wonderful significance and importance to both sections of this great country in their becoming better acquainted, which would be indicative of more intimate knowledge of the great possibilities and resources of both sections."

Such interchanges of visits between the states above and below the Mason and Dixon line are of indescribable value in many ways, in ways so conspicuous that they hardly need be enumerated or even recapitulated. By all means let South Carolina visit New England and all the states intervening; let South Carolina break a road for frequent travel by North Carolina and Georgia and Alabama and Mississippi—by each and every state of the South. And one well may be surprised if any state above the line should fail to use the same road southward.

Uncle Sam has a great, big family. Its members should live in actual intimacy for the benefit of each and for the good of the family as a whole.

REPRINTS AVAILABLE OF CHILD LABOR ARTICLE APPEARING IN THIS ISSUE.

SO much misinformation about child labor in the United States has been spread abroad that the MANUFACTURERS RECORD believes the charted statistical survey of the question, based on actual Government census figures, as given in this issue, will be of great service to those seeking the true light on the situation. The MANUFACTURERS RECORD is prepared to furnish single copies of the article reprinted in pamphlet form for 25 cents each, with special prices for orders in quantity of over 100 copies.

TWO BIG INDUSTRIAL ENTERPRISES FOR FLORIDA.

THE industrial development of Florida goes on apace, as shown in two strikingly interesting illustrated articles in this issue. One story shows how one of the several big electric companies operating in that state is carrying out the building of a great central power and light plant, at an ultimate cost of \$5,000,000, as a part of a \$10,000,000 expansion program; the other tells of four big bakeries to be built at Daytona Beach, Miami, Tampa and West Palm Beach to cost about \$500,000 each, or a total for the four of \$2,000,000. And thus the real progress, the progress that is safe and sound for future prosperity of that wonderful state, is steadily making headway.

HOW TO GET BUSINESS IN THE SOUTH.

The Georgia White Brick Company.

Gordon, Ga., July 3.

Editor Manufacturers Record:

Find enclosed our check for \$30 to cover one year's subscription to your Daily Bulletin.

We do not see how we, as manufacturers of building material, could do without this publication.

L. LOOMIS, Sales Department.

The Georgia White Brick Company of Gordon, among the leading brickmakers of the country, and the only makers in the South of white face brick, write that the Daily Bulletin of the MANUFACTURERS RECORD is invaluable.

There are thousands of other concerns in the South not now using the Daily Bulletin who would find its news equally as profitable as the Georgia White Brick Company does. In reporting daily a wide range of new enterprises of every kind—dwellings, factories, mines, railroads, banks and everything else into which construction work enters, from Maryland to Texas—the Daily Bulletin furnishes an opportunity for securing a wide market for products of every description used in construction work. The moral of the letter of the Georgia White Brick Company is so plain that it needs no elaboration; we simply say to thousands of others, "Go thou and do likewise."

OTHER COUNTRIES TURN TO TARIFF.

SUPPORTERS of a movement for reduction of the American protective tariff, which stands between the highly paid labor of the United States and the pauper and near-pauper labor of Europe and the Orient, may find food for thought in "Commerce Reports" for May 31, issued by the United States Department of Commerce. In this are shown "tariffs and taxes on passenger cars and trucks in 20 leading markets"; we quote a few:

Argentina, 25 per cent duty and 7 per cent surtax, the duty being "based on a list of prices in Motor Age, plus 10 per cent, converted at the normal rate of exchange"; Australia, 5 per cent duty to England, 12.5 per cent to Canada and 17½ per cent to all other countries, this on assembled chassis;

Belgium, from 240 to 640 francs; Brazil, 23 to 28 per cent; Czechoslovakia, for United States and other countries having "most-favored-nation status, 45 per cent, and other countries 65 per cent; Germany, from 135 to 225 reichsmarks per 100 kilos; Japan, 35 per cent; United Kingdom, 33.5 per cent.

CONGRESSMAN STRONG, THE INNOCENT!

IN a letter to the editor of the MANUFACTURERS RECORD Representative James G. Strong of Kansas takes exception to recent reference to him in an editorial, "Will America Forever Submit to the Control of Foreign Potash Interests?" In that editorial regret was expressed that any American, especially a member of the Congress of the United States, should help to spread the open and then insidious propaganda of the foreign potash trust, which is wringing fortunes from the pockets of the American farmer and the American consumer, and should thus, indirectly, oppose American efforts to promote the production of American potash for the benefit of the American farmer and the American consumer.

Through the privilege of "extending his remarks" in the Congressional Record, Mr. Strong inserted an article prodigiously favorable to the Franco-German potash combine, which holds the American farmer and the American consumer in the throttling grip of a foreign monopoly. The article was inserted by Mr. Strong at a time when the American farmer and the American consumer were striving, against heavy opposition, to stimulate the production of American potash and so to free the American farmer and consumer from the clutches of their foreign exploiters.

"Through conversation with a friend, I became interested in the development of potash in Germany," says Mr. Strong in his letter, and such, we understand, was his remark to another person who, for some reason, did not approve his spread of German propaganda.

Why, Mr. Strong, were you not primarily interested in the development of potash in the United States? You may answer that you were, but the publication of foreign potash propaganda in the Congressional Record hardly can be called helpful interest for the United States—particularly at a time when the development of American potash was meeting heavy opposition in Congress.

"My interest was not, as your article states, in the belief that the curtailment of production would reduce the price," he adds.

Why, then, Mr. Strong, did you officially and openly stand sponsor for a foreign propaganda article which said, in effect, that the foreign production had been curtailed, and that the idle producers had been subsidized by the trust in order to reduce the price?—an excuse so diametrically in opposition to the irrefutable law of supply and demand as to bring derision on those who may preach such doctrine or sponsor it by causing its insertion in the Congressional Record.

"I voted for the bill calling for the appropriation of money to help develop the potash industry in America, so that if you have not some personal interest or prejudice you must realize that my only interest in the subject is in behalf of the farmers of America, many of whom use fertilizer now and most of whom must eventually do so," concludes Mr. Strong.

Courtesy may move one to accept Mr. Strong's explanation that he really is agreeable to the movement to develop a supply of American potash for the American farmer. But we nevertheless insist that the publication of foreign potash propaganda in the Congressional Record, thus permitting its circulation virtually free throughout the United States, is a mighty poor way to promote the American potash industry.

Mr. Strong neglects to identify the "friend" at whose instance he inserted this foreign propaganda in the Congressional Record. Undoubtedly, that friend was fully as innocent and ingenuous as Mr. Strong appears to have been!

A \$10,000,000 Electric Power Extension Work.

ST. JOHNS RIVER POWER STATION AT BENSON SPRINGS, FLA., BUILT AND EQUIPPED IN SIX MONTHS.

Completed and now undergoing tests of its machinery, the new St. Johns River power station of the Florida Public Service Company, subsidiary of the General Gas and Electric Corporation at Benson Springs, Fla., will soon be ready to begin operations. It was built as a part of a \$5,000,000 electrical development program for this summer to meet an increasing demand for electrical energy in the rapid commercial, industrial and agricultural progress of central Florida.

The new power station will have an ultimate capacity of 100,000 horsepower, and, with other developments in the system, will require an expenditure of approximately \$10,000,000. The first unit already installed at Benson Springs will furnish 20,000 horsepower. Another unit will be installed in the near future, and other units will be added as power is needed.

In addition to a \$5,000,000 expenditure for the construction of the new station and the installation of new equipment in

in new high-pressure gas mains and a new 10-foot gas-set equipment with a capacity of 300,000 cubic feet. Before the new improvements were made the gas plant had a daily capacity of 1,700,000 cubic feet.

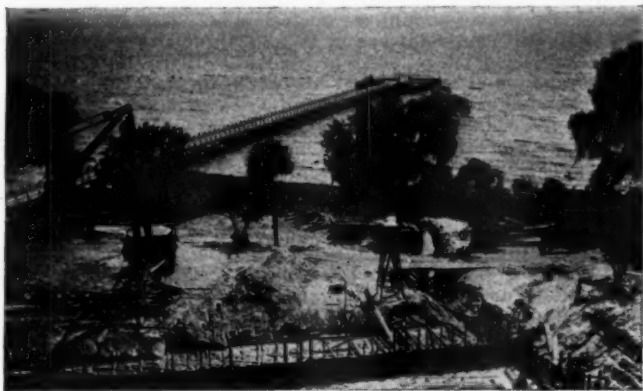
The interest being shown in public-utility service reflects faith in the future development and progress of central Florida. Electric lines of the Florida Public Service Company extend from Seville to Lake Stearns, a distance of 180 miles, and pass through fine manufacturing and rich truck and fruit growing sections of Florida.

The St. Johns River power station was built in the record time of six months. A 58-acre site on which the new power station is erected was purchased on January 17, 1926, and steam is expected to be turned into the boilers of the new plant before July 15. It is expected that the station will be operating early in August. This remarkable building progress was accomplished despite numerous handicaps, including difficulties of freight embargo, assembling of labor and other obstacles.

The plant was designed and built by the company's own engineers, while its equipment was designed for burning pulverized coal, as well as fuel oil, as a further assurance against fuel shortage. Through this economic method of generating electricity by steam, coal is ground to powdered form and fed almost like oil to the burners of the boilers. Railway sidings and river navigation afford excellent transportation facilities.

The station building is 145 feet by 146 feet, 90 feet high. It was built of stucco, tile, steel and concrete. Fifty thousand brick, 12,000 tons of stone, 6000 tons of sand, 13,000 barrels of cement, 1300 tons of steel and 5327 panes of glass were used in its construction. A Westinghouse turbo-generator has been installed. This is a 3-phase, 60-cycle, 13,200-volt generator, with a capacity of 12,500 kilowatts and a combined weight of 185 tons. Two bent-tube-type boilers of 1477 horsepower each, manufactured by the D. Connelly Company, Cleveland, Ohio, will be used. They have a working pressure of 400 pounds, each boiler having four drums and 1086 tubes. They are designed for 350 per cent of rating.

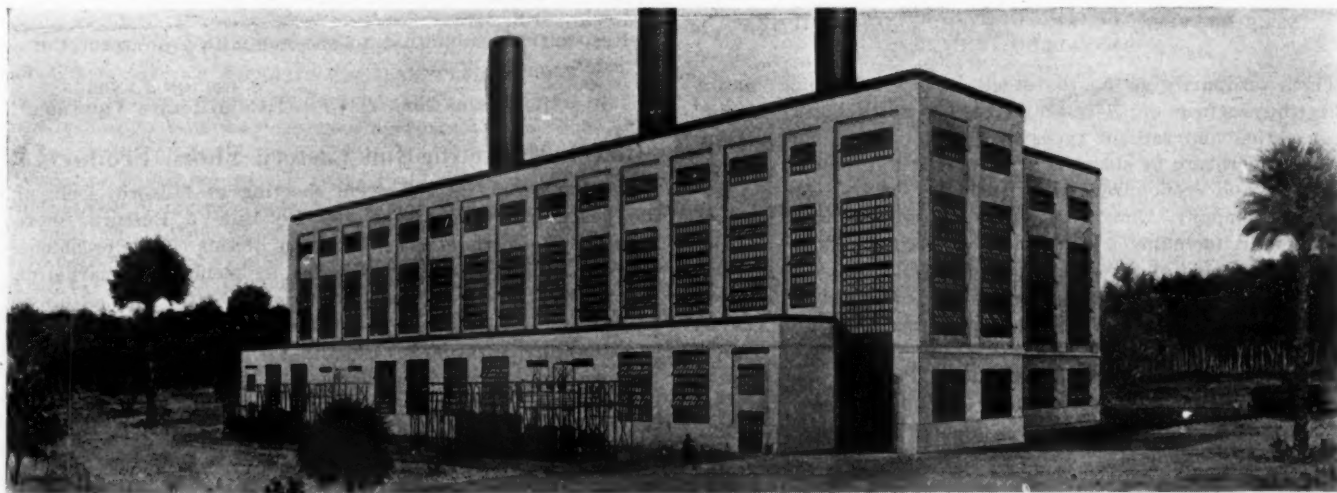
Heating equipment is designed for heating and de-aerating 400,000 pounds of feed water an hour. This water is heated by steam bled from the main turbine on heavy loads and partially by thermostatic-controlled, dual-drive circulating pump on light loads. This method of feed-water heating



SITE OF STATION MARCH 1, 1926.

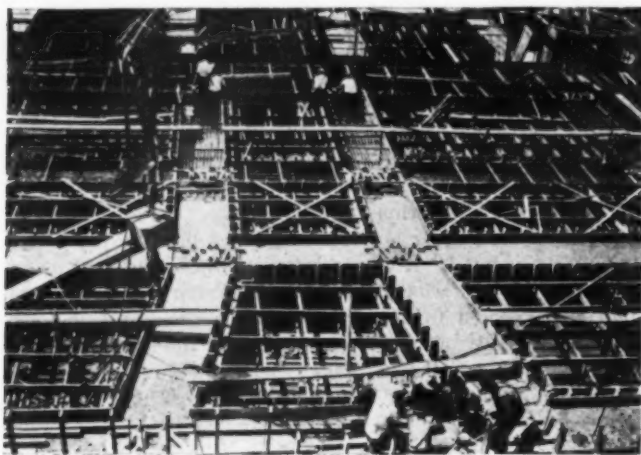
Shows freight dock built in lake in 11 days, and part of building foundations.

other generating stations, the Florida Public Service Company expended \$4,000,000 during 1925 in the construction of high-tension transmission lines, increasing the electric generating capacity of its stations and in rebuilding its distribution lines. Besides its electric developments now under way in central Florida, the company is spending \$600,000 in Orlando for tripling the capacity of its gas plant. It is putting



ST. JOHNS RIVER STATION AS IT WILL APPEAR WHEN ULTIMATE CAPACITY OF 100,000 HORSEPOWER IS INSTALLED.

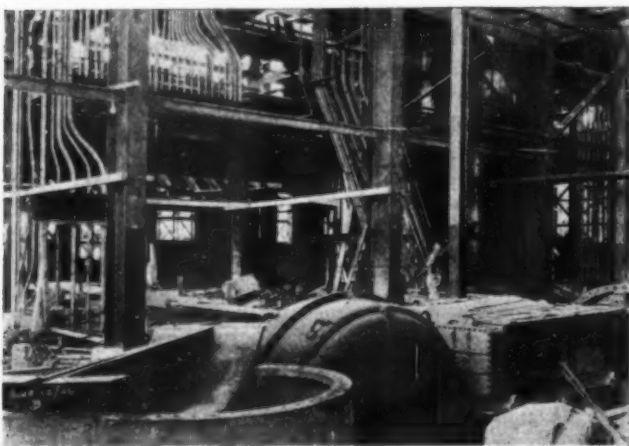
permits the use of electric-motor-driven auxiliaries. There are 75 motors, ranging from $1\frac{1}{2}$ to 175 horsepower, used to drive auxiliary equipment. They were furnished by the Allis-Chalmers Manufacturing Company of Milwaukee, Wis. An electrical switchboard on the turbine-room operating floor controls the generator and outgoing lines. Main and auxiliary transformers of the station are located on the



VIEW OF BUILDING FOUNDATIONS, COMPLETED MARCH 15.

south side of the building. The main transformers step up the voltage from 13,300 to 114,000. Auxiliary transformers step down voltage from 13,200 to various voltages used for plant auxiliaries.

Economizers heat the boiler feed water, raising temperature from 210 degrees to 286 degrees and using waste gases



INTERIOR VIEW OF STATION, SHOWING EQUIPMENT INSTALLED JUNE 12.

which ordinarily go up the stack. Each economizer has a heating surface of 7776 square feet. Superheaters are of convection and radiant types, working in series and raising the temperature of steam to 680 degrees Fahrenheit. Superheaters and economizers were furnished by the Power Specialty Company, New York. A surface type Westinghouse condenser, including a dual-drive circulating pump, two condensate pumps and two air ejectors, condenses steam from the main turbine. The station has induced draft fans which increase the draft to allow higher ratings of boilers. Feed pumps deliver water to the boilers.

Oil-burning apparatus consists of 24 Peabody-Fisher wide-range mechanical atomizers, three Quimby pumps capable of delivering 10,000 pounds of oil per hour from 90 degrees Fahrenheit to 300 degrees Fahrenheit, and accessories furnished by the Peabody Engineering Corporation of New York. A centralized board in the boiler room places entire control of

the boilers with the boiler-room operator. The station, at full capacity, will consume about 7000 gallons of fuel oil every 24 hours. It has a storage capacity for 200,000 gallons of oil. Steel stacks are each 150 feet high by 12 feet diameter at the top.

Other equipment includes an exciter, directly connected to the generator; two 600-gallon, one motor-driven and one turbine-driven, house service pumps; a motor-generator set for supplying direct current to pulverized fuel feeders, as well as for use as an exciter in case of necessity, and a 75-ton electric traveling crane furnished by the Niles-Bement-Pond Company of New York.

The Confederate Veterans Pay Tribute to a New England Historian.

Birmingham, Ala., July 12.

Editor Manufacturers Record:

The following resolution was presented recently by the undersigned on request of the author, Oliver Orr of Macon, Ga., he being absent on account of illness in his family:

"When the pages of time are turned back to our Southland heroes of 1861-1865 and the picture is presented to us by writers who reveal the truth about the South during the war between the states and after the war, we should do reverence to all in our land who praise us. But now how much more praise should we bestow upon the man of Northern birth, with no relatives in the South and who has never been South, but who loves it for what its people are, and who is always striving in all his works to do us justice.

"When, under the combined influence of heart, brain and soul, he records the greatness of scholars, statesmen, etc., he places the greatest value of heroism, loftiness and honor upon our Confederate heroes who have accomplished the highest fame on earth, exceeding even those of the North, we can appreciate the fact that he labored for ten years on his greatest book, 'Lee the American,' which is declared 'matchless' by President Henry Louis Smith of Washington and Lee University. Mr. Bradford has been honored with the highest degree of Washington and Lee.

"'Confederate Portraits' is another work by Gamaliel Bradford, and in this work one finds Southern generals, admirals and statesmen treated in such a comprehensive and accurate manner as proves that the author has caught the Spirit of the South and, in a climax of rare beauty, gives you an insight into their personalities. Hence, for these attributes of justice, truth and accuracy, so necessary to the historian and biographer, Gamaliel Bradford of Wellesley Hills, Mass., is assigned to the highest rank in America. Therefore, be it

"Resolved, by the United Confederate Veterans, in annual reunion assembled in the city of Birmingham, Ala., May 19, 1926, That we express to Gamaliel Bradford our grateful appreciation of his generally just, accurate and sympathetic presentation to the world of the Spirit of the South, as shown in his splendid references in his volumes, 'Lee the American' and 'Confederate Portraits.'

"Resolved, That the foregoing preamble and resolutions be placed upon the minutes and a copy be sent to the historian and author, Gamaliel Bradford, 493 Worcester street, Wellesley Hills, Mass.

"Respectfully submitted to the committee on resolutions by

"J COLTON LYNES,

"Inspector General United Confederate Veterans."

Better Marketing for Eastern Shore Products.

Salisbury, Md.—At a recent meeting at Milford, Del., of the board of governors of the Del-Mar-Va Eastern Shore Association, of which Fred P. Atkins of this city is president, plans were discussed for the establishment of a marketing bureau and a system outlined for the better marketing of products. The problem of organizing growers with a view to the standardization of Del-Mar-Va products and improvement in grading was also discussed.

A budget was adopted for the remaining six months of this year calling for the expenditure of \$50,000. Of this amount \$32,500 was set aside for research, publicity and advertising. More than sixty people attended the meeting, each of the 14 counties in the association being represented.

Industrial Growth From the Realtor's Viewpoint.

A BRIEF ANALYSIS OF SOME OF THE PROBLEMS DISCUSSED AT THE RECENT MEETING IN TULSA, OKLA.

By ROBERT JEMISON, JR., President, National Association of Real Estate Boards, Birmingham.

The financing problem in the building of an industrial plant is recognized as a problem which has hitherto been largely left to the resources of the individual firm planning the development. Banks have been in the habit of considering a manufacturing plant as commonly too specialized a piece of property to warrant their treating it as a commercial building may be treated in the matter of construction loans.

But it has been the contention of the National Association of Real Estate Boards, through its Industrial Property Division, that the modern tendency for standardized manufacturing structures has reached a point where there may well be a change in this attitude. For this reason the Association, through its industrial division, is making this year a special study of how a new attitude toward the financing of industrial expansion can be brought about. And first it has laid the ground for its request by a special study of industrial financing, conducted in co-operation with the University of Chicago.

What the future of the financing of industrial property may be was one of the large topics of general public interest which realtors of the United States and Canada discussed at the recent annual convention of the National Association of Real Estate Boards, held at Tulsa, Okla.

An optimistic prophecy for this future was made by David L. Wickens of the University of Chicago in his report of the survey on the subject made with the collaboration of the research department of the national association when he foretold the guarantee, by surety companies, of repayment of funds loaned on industrial property, making this type of investment popular and assisting in solving the problem now facing manufacturers anxious to secure funds for expansion or other purposes.

The account of the survey was made during a special session of the Industrial Property Division of the National Association of Real Estate Boards. This division is composed of members of the constituent boards of the Association, who are specialists in this form of real estate.

The division plans a committee, appointed from its membership, which will meet with representatives of the American Bankers' Association, to set forth the views of industrial property experts on the financing of industrial property and to bring about co-operation between the financial institutions, real estate men and manufacturers in the matter.

Some time ago we began to see that when an industry finds itself in need of a new location there is a more permanently satisfactory way of choosing that location than a mere examination of which town will offer the larger bonus. And we are beginning to see that when a city goes about attracting new industries, there may be a much more effective way than by indiscriminate letter bombardment of soap manufacturers, candy manufacturers, pig-iron producers, canning factories and clothing manufacturers.

A united effort on the part of real estate boards, chambers of commerce, labor unions, railways, public utilities and trade associations to organize a research bureau for investigating the facts about proper location of industry and for conducting an educational campaign among the towns and cities of the country, collaborating with the manufacturers of America in working for proper industrial and home development, was suggested by John A. Piquet, contributing editor

of Industrial Management Magazine, speaking before the Industrial Property Division at its special meeting.

Looking forward to the future evolution of the industrial building, we recognize the possible changes and improvements that will make for more efficient housing of our industries.

"Heating and ventilating systems, elevator control arrangements, piping and other features should be installed with the knowledge that time may demand their replacement with something entirely new," advised Alfred C. Bossom, a prominent New York architect, in a paper read at a special session of the Property Management Division of the Association. "What the next half-century holds for the elevator alone no one can guess, but new inventions may make it necessary to modify present installations or change them entirely, and it should not be necessary to rebuild the structure to accomplish this."

The central manufacturing district is another forward-looking project that received the attention of the Industrial Property Division.

"It is practically an economic screen," W. L. Brent of Los Angeles said of this co-operative measure, "which keeps out big building costs, undue interest charges in land investment, unnecessary depletion of capital investment, unjust charges for electric, gas, water, power, and excessive railroad and tax rates; it defends you against any destructive municipal, county and state legislation; it may provide trap-car or L. C. L. service, mail and banking facilities, and, when requested to do so, it steps in at reorganization periods to help by its influence and counsel to lighten the usual burden attendant thereon. It furnishes the highest grade of engineering skill, architectural and construction service, which is peculiarly trained to advise the most adaptable structure and plant arrangement for any given business, and thereby produces an economic operating cost."

The development of inland waterways as a means of fostering industrial growth and as an economic measure was recommended officially in a resolution passed by the delegate body during the business session of the convention. Copies of the resolution have been sent to the president of the United States and the Senators of the respective states.

Resolution of appreciation for the work of the Department of Commerce, under the leadership of Secretary Herbert Hoover, for the work it has done in the elimination of waste in all forms of industry were adopted by the delegate body.

West Virginia University Building to Cost \$250,000.

Morgantown, W. Va.—A tabulation of bids received by the State Board of Control, Charleston, for the erection of a women's physical education building at the West Virginia University here indicates that the structure will cost more than \$250,000. Lowest bids were submitted by the following: Charles D. Keyser & Co., Bellaire, Ohio, at \$212,500, for general contract; Alex. Zeck & Son, Morgantown, at \$17,458 and \$16,237, for plumbing and heating, respectively, and Rosenblatt & Hunt, Charleston, at \$4238, for electrical work.

The structure will be four stories, 114 by 51 feet, fireproof, of face brick, hollow tile, concrete, steel and stone construction, with cement, terrazzo and wood floors and slate roof. Davis, Dunlap & Burney of Philadelphia are the architects.

West Texas As an Inspiration for Others.

TOWNS AND CITIES OF A VAST EMPIRE SEND THOUSANDS OF REPRESENTATIVES TO WEST TEXAS CHAMBER OF COMMERCE CONVENTION AT AMARILLO.

By ALBERT MARVIN HILL, Fort Worth.

Amarillo, for the three longest days of the year—June 21, 22 and 23—was host to more than 40,000 boosting visitors during the eighth annual convention of the West Texas Chamber of Commerce.

This last and largest gathering of West Texans is sufficient proof that things have been happening, and will continue to happen, in this section, which, by the way, is the South's greatest undeveloped resource, just as the South is America's greatest undeveloped resource. This organization was founded eight years ago when 16 far-visioned men of west Texas met at Wichita Falls and laid plans for cementing intercommunity fellowship and for fostering community pride among the various towns and cities of west Texas. Those 16 pioneers have witnessed their spirit of progress and determination to do spread like an unfought prairie fire throughout two-thirds of the entire land area of Texas, which area is considered as west Texas. They have seen 228 towns affiliated with the organization which they promoted.

Instead of a few delegates from various chambers of commerce journeying yearly to represent their communities, every citizen who can possibly make the trip is self-delegated to attend these conventions. Forty or more towns this year sent their brass bands along. They are believers in "blowing their own horns," literally as well as figuratively. San Antonio sent a special train over 700 miles, Fort Worth and Dallas sent specials over 300 miles, while other towns sending special trains included Lubbock, Tulla, Canyon, Abilene, Wichita Falls and Sweetwater, each of them being

the North Pole, you will see the western extremity of Texas is farther west than Denver, Col. Maryland, Virginia, North Carolina and Florida could be put into the space covered by west Texas and room would still remain for some choice slices of Kentucky and Tennessee. This is west Texas. From all this bigness come boosters galore to tell what their towns are doing and to see what other towns have been doing.

Here in this area the past six years has probably witnessed the greatest agricultural development in the United States. It is conservative to say the population has increased in west Texas by 500,000 during this period. Some 50 ranches of from 10,000 to 500,000 acres have been subdivided into farms and new land has been broken at the rate of over 1,000,000 acres a year. There has been no great hullabaloo about this, but a steady stream of genuine workers has come, with the idea of work uppermost in their minds.

During the period from January 1, 1920, to January 1, 1925, the Department of Commerce reports that the increase in the number of farms was 21,367 for this district. This is greater than that in the entire state of California by 4000 farms, and is over four times the number of new farms of which Florida can boast for the same years.

The population of west Texas, now approximately 2,000,000, is about 90 per cent American-born white.

Of the five principal raw materials that enter into American manufactures—meat-animals, petroleum, iron, grains and cotton—four are produced in west Texas, to an annual



ADMINISTRATION BUILDING, WEST TEXAS TECHNOLOGICAL COLLEGE, LUBBOCK.



SOME OF THE CROWD WHICH THROGGED THE STREETS OF AMARILLO DURING THE CONVENTION.

many miles distant. Specials came from Clovis and Roswell, N. M., as part of New Mexico is affiliated. And thousands of automobiles unloaded these sturdy, dauntless builders of a gigantic empire. This part of Texas, in which are located the towns on the rolls of the West Texas Chamber of Commerce, is approximately two-thirds of the Lone Star State in size, yet its population is less than half.

Some idea is gained of the enormous area of this territory by drawing a line westward from Nashville, Tenn. You will see that it touches the top of the Texas Panhandle, and will note this line is farther north than Tulsa, Okla. Now draw another line due south from Lincoln, Neb., through Fort Worth, angling a little to the southwest until it will touch another line running westward from Tampa, Fla., to the Rio Grande. Running a pencil from El Paso toward

value of more than \$100,000,000 each. King Cotton is producing triple this amount. Yet, of the 91,000,000 acres embraced in this area, less than 20 per cent is now under cultivation!

"The possible increase in cotton acreage in west Texas would approximate 42 per cent of the present total acreage of the United States," says Dr. D. W. Hunter of the United States Department of Agriculture. Production records for the past 10 years show the average production of lint cotton in the Plains country of west Texas was 284 pounds per acre, compared to the average for the cotton belt as a whole of 159 pounds per acre.

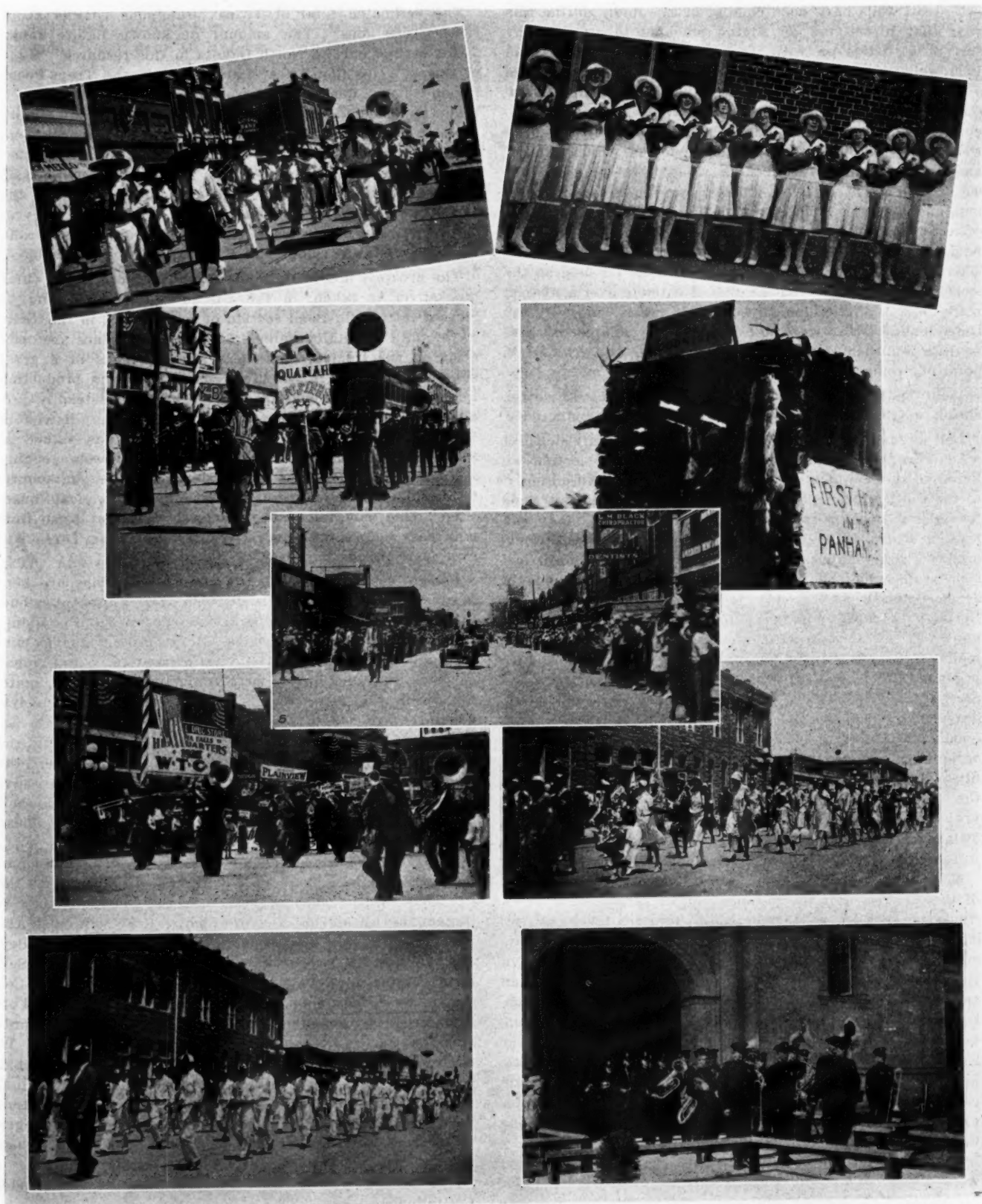
But this is not a one-crop territory. Sorghum grains are a sure crop here, enabling the farmer to raise livestock and poultry at low cost. From 1909 to 1919 these grains gained

in production from 5,000,000 to 69,000,000 bushels. Ninety per cent of Texas wheat and 60 per cent of its oats is raised here. This year's grain crops promise the greatest yield in many years, and practically all of it is now waiting for

the thresher. It may be well to remember that in 1924 the Texas wheat crop, per acre value, was \$24, while the Kansas per acre value was \$21 and North Dakota's \$20.

The bulk of the Lone Star State's beef cattle, sheep and

West Texas Chamber of Commerce Holds Convention.



1—BAND FROM LUBBOCK, TEXAS. 2—THE LOCKNEY UKULELE CLUB. 3—DELEGATION FROM THE CITY OF QUANAH. 4—COLONEL GOODNIGHT, 90-YEAR-OLD PIONEER. 5—BEGINNING OF THE PARADE AT AMARILLO. 6—COWBOY BAND OF SIMMONS UNIVERSITY, ABILENE. 7—SCHOOL GIRLS FROM CANYON, TEXAS. 8—STUDENTS FROM WEST TEXAS STATE TEACHERS COLLEGE. 9—THE POLICE BAND FROM FORT WORTH.

goats, in which no other state can compete as to quantity, is raised in this section. The Hereford and the Shorthorn has supplanted the romantic Longhorn, and the breeding of dairy cattle is rapidly increasing. This increase in stock farming will apparently maintain the number of Texas cattle, besides improving the quality and bring greater return to the breeder.

New oil wells have been coming in so rapidly during this year that it will tax an adding machine to attempt any sort of statistics on west Texas oil activity. More than 1000 wells were being drilled January 1; 26 counties had oil production in paying quantities then, and drilling operations were being carried on in 72 counties. A monthly revenue of approximately \$10,000,000 is now being given to west Texas by oil. One of Fort Worth's "cattle kings" has seen his lands enhanced in value by more than \$50,000,000. The oil activity extends over an area 600 miles long and 200 miles wide—from the Panhandle field northeast of Amarillo, southward to Laredo, and from the Palo Pinto field on the east to the Reagan county fields on the west. There is reason for claiming the Panhandle oil field as the world's largest, when you see that it extends over a district more than 100 miles long by about 50 miles wide. By the time drilling operations now planned are completed there is little doubt that this field will be among the greatest in point of production on the face of the globe.

West Texas is not all Plains country, nor do oil, cattle, cotton, grains, sheep and goats entirely spell its productivity.

Let us understand, first, the topographical divisions of west Texas. What is called the Plains is that section we know as the Panhandle and the larger stretch adjoining it to the south. Where the Canadian River and other streams traverse the Plains from west to east there are sandy valleys in which fruits and vegetables abound. Many apple orchards are planted. Near Wichita Falls a recent irrigation project has been completed and many thousands of acres watered, while many farms are irrigated by wells. Between the lower Panhandle and Fort Worth is a stretch known as the West Cross Timbers, a hilly country, in which melons, peaches, apples, peanuts and sweet potatoes are produced in great quantities. Halfway between Laredo and San Antonio lies an extensive irrigated area, water being drawn from springs and artesian wells. From here come a goodly portion of the United States' early vegetables, such as spinach, onions, cabbage, lettuce, melons, tomatoes, turnips, carrots, beans, etc. And right out of San Antonio to the west and southwest is the Medina Valley irrigation project, which only lately has been placed on the market, owing to litigation in the courts. This country from San Antonio to Laredo is rolling and rugged, with few trees.

Northwest from San Antonio over the straggling foothills of the Rockies half the nation's mohair is produced. Continuing northwest, we further climb from sea level until we come to the Big Bend country and real mountains. The little city of Fort Davis is almost on an airline due south of Denver, and this Texas town is only a few feet less than one mile high, the same as Denver. In the Big Bend country along spring-fed streams flowing from the Davis mountains into the Pecos River, and along the Rio Grande near El Paso, we find irrigation and alfalfa and apples and pears, besides other fruits and vegetables. Here in this mountain region soar some of the highest peaks in the United States east of the Rocky Mountains proper, the highest being Guadalupe Peak, in Culberson county, towering 9500 feet.

The extent of the recently discovered potash deposits of west Texas is not yet known, but for hundreds of miles bordering New Mexico and south indications are that the world's greatest potash beds will be found. The three bituminous coal fields in the state lie in west Texas. One field covers the counties of Brown, Coleman, Comanche,

Erath, Eastland, Jack, McCulloch, Palo Pinto, Parker, San Saba, Shackelford, Stephens, Wise and Young. One field is near Laredo, in Webb county, and the other near Eagle Pass, in Maverick county. Production has been largely from both of the southwest fields and from mines at Thurbur, Erath county; New Castle, Young county; Bridgeport, Wise county, and Strawn, Palo Pinto county.

The estimated total of Texas bituminous coal is about 8,000,000,000 tons. The amount of known lignite ranks Texas second only to North Dakota in this resource. Much of this is to be found near Laredo and in the Trans-Pecos region. Large quantities of iron ores are found in Burnet, Llano and Mason counties, as are also an excellent quality of hematites and magnetites. Here, too, are marble and granite deposits. Nearly a dozen quarries are now taking granite from the beds near Llano, this granite having been selected for the \$15,000,000 Edison building and for the \$1,500,000 Roosevelt Memorial in New York. The story of Texas granite and marble is one within itself, as they rank in quality with Vermont and Italian granite and marble.

The greatest producing mine of cinnabar ore, from which quicksilver is taken, in the United States, it is said, is located in the Big Bend section of west Texas, in the vicinity of the Chisos Mountains. Several other mines are operating in this region, and there are evidences of a great supply of this ore in Brewster county, assuring production for many years. Since 1882 silver has been steadily produced in west Texas, mostly from the Shafter district of Presidio county. In 1923 the production was valued at \$665,695. Silver-lead ores are found in Brewster county and copper-silver ores near Van Horn, in Culberson county. Gold, copper and lead ores are also found in small quantities. The mountainous region is so vast that some time may pass before the mineral resources of west Texas will even partially be surmised.

Cement materials, brick, tile and pottery clays are here in almost inexhaustible deposits. So are a variety of stone, lime, graphite, gypsum, mineral waters, salt, silica, building sands, gravel and fuller's earth. Many other valuable mineral deposits, worked little, if any, are tin, borax, mica, asbestos, tungsten, opal, quartz, turquoise, niter, alum, agate, jet, kaolin, phosphate rock, volcanic ash, topaz and molybdenum.

West Texas—what a giant it is! What a field for the manufacturer, the agriculturist, the mining engineer, the explorer, the pioneer American! Wise west Texans have a very healthy idea of the undeveloped resources in their wide domain, and that is why they are busy, pushing ahead and looking ahead so valiantly.

Next year the convention of the West Texas Chamber of Commerce will be held at Wichita Falls. Officers of the Chamber for the ensuing year are: President, Arthur P. Duggan of Littlefield; vice-presidents, R. W. Haynie, Abilene; Walter D. Cline, Wichita Falls; Porter A. Whaley, San Antonio; M. K. Graham, Graham; J. A. Wheat, Seymour; Rufus Wright, Sweetwater; Dr. P. C. Coleman, Colorado; J. E. Thompson, Breckenridge; A. B. Spencer, Fort Worth; Hardy Grissom, Haskell; R. E. Penick, Stamford; Houston Harte, San Angelo; Leon Shield, Coleman; F. W. Greber, Brownwood; A. M. Bourland, Vernon; V. A. Robinson, Post; W. W. Flenniken, Amarillo; Judge Clinton C. Small, Wellington; O. P. Thrane, Snyder; W. S. Posey, Lubbock. Homer D. Wade was unanimously elected manager, to succeed Porter A. Whaley, who resigned to become manager of the San Antonio Chamber of Commerce.

The new executive board for the organization includes the following:

R. Q. Lee, Cisco; J. J. Murphy, Crosbyton; Percy Ralls, Ralls; B. L. Russell, Baird; George Sager, Memphis; Ernest O. Thompson, Amarillo; C. S. Guin, Dalhart; W. D. Jordan,

Brady; J. L. Nunn, Amarillo; H. E. Hoover, Canadian; F. W. Kennerly, Quanah; William Massie, Fort Worth; Joe Weaver, Eastland; J. Pat Williams, Mineral Wells; Amon G. Carter, Fort Worth; Ralph G. Erwin, Ballinger; Clifford B. Jones, Spur; C. C. Walsh, San Angelo; Julius Real, Kerrville; Seth Holman, Hereford; Fred W. Turner, Santa Anna; W. J. Moore, Llano; A. B. Britton, Wichita Falls; P. A. Rogers, Wichita Falls; William Ochse, San Antonio; A. B. Brown, Lockney; M. H. Hagaman, Ranger; J. M. Penland, Waco; John Q. McAdams, Winters; C. T. Watson,

Big Spring; G. W. Fry, Abilene; Sam Braswell, Clarendon; C. H. Mansell, O'Donnell; R. A. Underwood, Plainview; W. P. Halmark, Dublin; J. D. Hamlin, Farwell; T. Paul Barron, Midland; M. B. Hanks, Abilene; W. R. Keeble, Abilene; E. H. Riley, Fredericksburg; Spencer Wells, Lubbock; Dr. S. J. Underwood, Hale Center; J. H. Doyle, Levelland; F. P. Reid, Pampa; L. R. Thompson, Kress; D. M. Warren, Panhandle; A. F. Barkley, Spearman; Jack Allen, Perryton; B. S. Huey, Cisco; Foster Clous, Tulia; J. W. Reid, Canyon; Dick McCarty, Albany; W. W. Rix, Lubbock.

\$3,000,000 Sewer Project Being Completed at Richmond.

By G. M. BOWERS, Assistant Director, Department of Public Works, Richmond, Va.

The main object of the Shockoe Creek Improvement now nearing completion was the construction of a sewer large enough to care for the freshets that occur in Shockoe Creek and which flood the wholesale district and three of the principal streets of the city. Besides the protection from the creek, the project includes the improvement of the city's high level dock, and a levee and pump house, which will protect a low area (54 acres) of the city from inundation during the floods in the James River.

The project is complete except for the pump house, which includes a battery of four 24-inch pumps for storm water and two 8-inch pumps for sanitary sewerage. All pumps are centrifugal, electrically driven. The probable cost of the completed pump house will be about \$125,000.

The Shockoe Creek sewer ranks among the largest arch

sewers in the United States as to section area. It is of three sections as follows: 2535 feet of 29 by 16 feet 3 inches arch, 5031 feet of 27 by 15 feet 1½ inches arch, 1625 feet of 18 feet 6 inches by 10 feet 5 inches arch and 2200 feet of 17 by 12 feet box section. All sections are of reinforced concrete with a terra cotta tile lined invert.

The following is a summation of the quantities: 292,333 yards earth excavation, 16,005 yards rock excavation, 74,500 yards concrete, 3130 tons reinforcing steel, 33,519 square yards tile liners (sewer), 100 tons steel sheet piling, 10,015 feet of piles, 116,876 barrels cement, 37,826 feet T. C. pipe 6 inches to 24 inches, 4233 feet precast pipe (concrete) 30 inches to 78 inches and 844 feet segment block pipe 36 inches to 66 inches.

The contractors that have been engaged in the project and



SHOCKHOE CREEK SEWER IN RICHMOND—ONE OF THE LARGEST ARCH SEWERS IN THE COUNTRY.

the total cost of the contracts, including material furnished by the city, are as follows:

Whiting-Turner Construction Co., Baltimore, Md.....	\$1,062,139.89
Smith Bros., Inc., Dallas, Texas.....	814,966.51
Kelley & McLane, Richmond, Va.....	132,523.69
Hankins & Collins, Richmond, Va.....	52,057.84
Hughes & Keegan, Richmond, Va.....	43,885.82
Van Doren Bros., Richmond, Va.....	58,133.47
C. S. Luck & Sons, Richmond, Va.....	47,038.88
City of Richmond, Richmond, Va.....	569,118.45
Miscellaneous contracts	13,635.43
Total	\$2,593,499.98
Right of way and damages.....	256,386.40
Discount on bonds, etc.....	136,505.54
Grand total.....	\$2,986,391.92

Cement, sand, gravel, tile liners and terra cotta pipe were furnished by C. P. Lathrop & Co. and Warner Moore & Co., both of Richmond.

All designing and construction supervision has been done



MORE THAN 110,000 BARRELS OF CEMENT, 10,000 FEET OF PILES AND 100 TONS STEEL SHEET PILING WERE USED IN THIS SEWER.

by department forces under Allen J. Saville, succeeded by R. Keith Compton, Director of Public Works; T. T. Towles, succeeded by G. M. Bowers, assistant director; A. Mason Harris, resident engineer, succeeded by E. P. Asbury.

Two New Hotels for Sherman, Texas.

Sherman, Texas.—According to an announcement by John Keiffer, owner of the Binkley Hotel here, plans are being prepared for a new brick and steel hotel to occupy the site of the present structure. Foundations will be laid for an eight-story building, although it is the purpose of Mr. Keiffer to erect only four stories at this time, the cost to be approximately \$250,000. The new hotel will contain 90 rooms, each with bath, auditorium to seat 900, ballroom on the second floor, roof garden and other modern facilities.

The erection of this building will mean two modern hotels for Sherman, as the Sherman Hotel Company and G. L. Miller & Co. of New York and Atlanta have arranged to erect a five-story hotel here to cost about \$300,000. Work on this structure is expected to begin within 30 days.

To Operate Industries at New Braunfels.

New Braunfels, Texas.—The Landa Industries, Inc., has recently been granted a charter by the Secretary of State to take over and operate industrial properties at Landa Park here, known as the Landa Cotton Oil Mill and the Landa Flour Mills. It is understood that the new company will have total available assets of \$925,000, with no indebtedness. Emil Hillje of San Antonio is president of the organization.

"A Bank Failure in Florida."

The following figures tell the story of bank failures in five years in nine Midwestern states as compared with Florida (from 1921 to July 1, 1926):

Colorado	45	Minnesota	140
Wyoming	53	Iowa	153
Kansas	85	Oklahoma	160
Missouri	96	Montana	173
Nebraska	102	Florida	13

(Figures compiled from records of state banking departments.)

"Of the foregoing failures, it is estimated that 10 per cent were due to bad management, 15 per cent to crop failures, 5 per cent to drastic legislation, 20 per cent to overinflation and 50 per cent to idle gossip. When the tattler, the gossip, the idler, the doubter and the skeptic are silenced from further prattle, there will be less runs and fewer failures."—Calvin A. Owens, president, Florida Interurban Rapid Transit Railway Company, St. Petersburg.

Burlington Secures Five New Industries.

H. B. Skinner, manager of the Chamber of Commerce, Burlington, N. C., advises the MANUFACTURERS RECORD that five new industries have located in Burlington in the last 90 days. These include the Rodwell Garment Company, Southern Furniture Factory, Mohawk Hosiery Mill, Perfection Hosiery Mill and the Southern Hardwood Flooring Company. Of these the Rodwell company has doubled its output in 60 days and contemplates a further increase in the capacity of its plant. The Southern Furniture Factory is building a modern plant and expects to begin operations in the fall, while the Southern Hardwood Flooring Company has increased the capacity of its plant since beginning operations and has sold its entire output on a long-time contract.

With the addition of the two hosiery mills, Burlington now has in operation more than 15 mills of this character, making it one of the hosiery-mill centers of the South. According to Mr. Skinner, some textile mills in the community are operating part time, but as a whole the situation is improving and by fall it is expected that Burlington will be in the midst of a manufacturing boom. These latest industrial acquisitions have increased the payrolls by approximately \$250,000 annually and its industrial population by being shipped each week and at present special orders are about one-third. More than 90,000 dozen pairs of hose are being made up for European and South American trade.

Wants Catalogues of Manufacturers Record Advertisers.

Because of the many requests for information concerning almost every known commodity received by the Florida State Chamber of Commerce, Jacksonville, the research department is building up a division of catalogues for the library. Accordingly it desires catalogues from manufacturers of products of all kinds; these will be carefully filed, so that when inquiries come in specific information may be given promptly.

Dudley Haddock, director of publicity of the Florida State Chamber of Commerce, in discussing the plan, writes the MANUFACTURERS RECORD as follows:

"Our research department has found that the catalogues of manufacturing concerns are of great assistance in handling inquiries for information, and the result is that it is building up a division of catalogues for the library.

"Dr. H. E. Horton, director of the department, declares that he regards concerns using the advertising columns of the MANUFACTURERS RECORD as outstanding representatives of the several industries and has expressed a desire for the catalogue of each of them for the library, whether they produce locomotives, nails or twine. The department, of course, in replying to inquiries never recommends the product of any particular concern, but it does advise where the material or machinery can be obtained. It is the intention of the department to make the catalogues available for examination by any interested person."

England's Labor Troubles and the French Situation.

By ARTHUR KITSON of the Kitson Engineering Company, Ltd., Stamford, Lincolnshire, and President of the Economic Freedom League.

Sir Robert Hadfield's presentation of our labor and industrial troubles in your issue of June 3, while exposing one of the great difficulties with which this country is menaced, does not, in my judgment, touch the fundamental cause of our economic disasters. This cause has been deliberately hidden by our statesmen, professional economists and by our press. It is very significant that not one of our war Allies, except Russia, has experienced anything like the evils with which we and our overseas dominions have been and are still afflicted since the peace treaty was signed. Take France, for example. I have just returned from a three-week visit to that country. Although the Germans endeavored to impoverish their neighbor by deliberately destroying one-third of the French factories and various industrial establishments, wiping out scores of towns and villages during their invasion, and leaving but mounds of bricks and rubbish to mark the places where these towns once flourished, there has been little or no unemployment. On the contrary, over 1,000,000 workmen from other countries are now employed, together with every available Frenchman, in that now very prosperous country. Never in French history has France been industrially so active or so prosperous.

Similar conditions prevail in Belgium and Italy. On the other hand, Great Britain, that suffered no invasion and the richest nation in Europe, has today 1,700,000 workers on the dole and nearly 2,500,000 of unemployed!

Hundreds of factories are closed and thousands are only able to keep going by reduced number of operatives and short hours. This industrial blight has also extended to Canada, Australia, New Zealand, India and South Africa. Why is this? Why should Great Britain and her empire alone among the great industrial countries be so afflicted? There is but one intelligent and satisfactory answer: *England is the one nation, together with her colonies, whose Governments have relentlessly pursued the devastating policy of currency deflation since 1920!* We had nearly two years of great prosperity following immediately after the Armistice in 1918. But the Coalition Government under Lloyd George, with Sir Austen Chamberlain as Chancellor of the Exchequer, deliberately killed that trade boom by announcing their intention of deflating the currency and returning to the pre-war gold-standard system.

Nothing in our trade history has created such havoc in every branch of trade and production. When the pound sterling could be purchased for \$3.50 or thereabouts, American buyers were ordering millions of dollars' worth of our goods. Similarly when the Hindu merchant could buy a pound's worth of our goods for 10 rupees our Indian trade was flourishing.

When our pound sterling was "cheap" in foreign currencies our foreign trade was brisk and increasing. But as soon as it was officially announced that the Government had "set its heart" on raising its value by reducing the supply of money, by making credit scarcer and dearer, orders were cancelled wholesale and the public reduced their purchases. Had the British Government deliberately intended to ruin British trade and industry, they could not have done better.

But this was not all. The national war debt was created by borrowing from the banks and other institutions, credit which the Government already controlled and which our rulers could have employed without having to pay one shilling of interest. The nation's credit is surely one of

the assets of the British public. Instead, however, of using this credit direct, our brilliant officials first allowed it to be appropriated by the bankers and financiers and then borrowed it from them, agreeing to pay 5 per cent interest for its use. Hence, the British taxpayers are burdened with over £300,000,000 of annual taxes for all time—for the principal can never be paid—all of which need never have been incurred.

But this debt, mountainous in all conscience, was not enough to satisfy the greed of the money-lending classes. The debt was principally incurred in "cheap" pounds, which the bankers now call 10-shilling or 8-shilling pounds. These were what the bankers "lent" the British Government. But the Government, which is supposed to be the nation's trustees, decreed that the taxpayers should repay the loans with interest charges not in the money that was borrowed, but in money of twice its value. In short, the Coalition Government decided to double the burden of this debt. And this damnable swindle—probably the greatest in the world's history—has been recently confirmed by Mr. Stanley Baldwin, our Prime Minister, and his Chancellor, Mr. Winston Churchill. The American debt is undoubtedly a serious burden to our people, but it is a mere "flea bite" in comparison with the mountainous debt created by our so-called statesmen at the instigation of the London cosmopolitan financiers. Messrs. Lloyd George, Austen Chamberlain, Stanley Baldwin and Winston Churchill have deliberately sacrificed the producing classes of the country to satisfy the inordinate greed of those who "neither toil nor spin."

Unfortunately, our industrial and trade leaders are either too apathetic to investigate this subject or too ignorant to understand it. The United States suffered from a similar suicidal financial policy from 1920 to 1923, during which time you had some 6,000,000 of unemployed. And your readers will remember the splendid fight made by the editor of the MANUFACTURERS RECORD against that ruinous deflation policy. The members of the Federal Reserve Board were wise enough to change their policy at the end of 1922, when the evils of deflation became so menacing and so apparent. And with the expansion of the currency, unemployment was reduced and a period of prosperity—which might have been enjoyed from 1920 onwards—commenced. But British bankers learn nothing from experience.

The deflation policy of Lord Liverpool and Sir Robert Peel after the Napoleonic wars culminated in the "hungry forties" and brought England to the verge of ruin, a catastrophe only averted, as Disraeli once stated, by two accidents—viz., the discovery of gold in California and in Australia, which upset the deflation program and caused a rise in prices and a revival of trade throughout the world.

It was in sheer desperation to try and save the nation from the dire effects of his financial folly that Peel embraced Cobdenism and inaugurated the system of free imports which has brought this country to a state of abject dependency on foreign products and has reduced us from being the first to the third or fourth industrial power.

That this scarce—dear—money policy is really the fundamental cause of England's troubles may be realized by considering the economic condition of other nations since the war. Every nation that reverted to the pre-war gold-standard policy has suffered from trade stagnation and unemployment—England, Canada, Australia, South Africa, India, Sweden, Norway, Holland, Switzerland, etc. And since the revival of this standard under the Dawes scheme, Germany

has been similarly afflicted. There are over 2,000,000 of unemployed in that country which was once so prosperous.

To revert to the recent strike: The working classes were solemnly promised by Mr. Lloyd George and his associates that the standard of living after the war should not be reduced. Indeed, that statesman counseled labor to be "audacious" and to demand a higher standard of life. And it was this same statesman who boasted later of instigating the dear-scarce-money policy which has necessitated lowering wages and the level of existence for labor generally.

In my evidence submitted to the Cunliffe Currency Commission, which was appointed in 1918 to advise the Government regarding the financial policy to be adopted after the war, I warned the members what the inevitable results of the deflation policy would be in the following terms:

"The committee strongly urge the restoration of our pre-war currency system. May I ask if the members of the committee have really given serious thought to what 'the restoration of normal conditions implies'? It is generally admitted that our present national obligations necessitate a very substantial increase in our annual output of wealth over that of pre-war times. If we are to remain solvent, if we are to withstand the foreign economic rivalry and pressure with which we are threatened, it requires no argument to prove that our pre-war currency will not suffice to enable us to create the surplus wealth needed. Our pre-war currency was barely sufficient for our pre-war turnover. 'Restoration to normal conditions' means restriction of output to pre-war volumes. It means the abandonment of all or most of the Government's reconstruction and housing schemes, the repudiation of our war debt, interest payments, war pensions, land schemes and scores of similar projects and undertakings. It also means the restoration of low wages, with armies of unemployed. Are these the conditions that the Government and the committee are anxious to 'restore'?"

While I fully agree with Mr. Edmonds and Sir Robert Hadfield that the cancellation of the Allied debts to America would be beneficial to all nations concerned, especially to the United States, it is only fair to say that such cancellation would not solve the industrial and economic problems of this country. You cannot save a man from drowning who has tied a 200-pound weight round his neck and jumped into mid-ocean merely by reducing the weight by 10 per cent. Our successive Governments have placed an impossible load on the backs of the British taxpayers under the advice of the leading bankers, and it is but a question of time when they must repudiate their burdens or submit to having their backs broken.

Since dictating the above, the French Government has been reconstructed with Briand as Prime Minister and Caillaux as Minister of Finance. In taking office it is announced that Caillaux insists upon having control of the French army and police, to suppress any opposition that may arise to the measures he proposes. This is probably the most startling announcement that has appeared in French affairs since the peace treaty. What does it mean? My own opinion is that Caillaux intends forcing the French currency on to the gold basis by a system of deflation, which he knows will destroy the present era of France's industrial prosperity. The result will be wholesale bankruptcies, unemployment, trade stagnation and reduced wages, ending in strikes, riots and in a general upheaval. To check this he will require the aid of the military forces.

This seems to me to be the only intelligent explanation of this wily politician's demands. If he attempts so mad a scheme, it can only result in disasters which may deluge France with a sea of blood.

Preparing Florida Lands for Growing Cane Preparatory to Erecting Big Sugar Mill and Celotex Plant.

B. G. Dahlberg, president of the Celotex Company, Chicago, Ill., writes to the MANUFACTURERS RECORD concerning plans for the erection of a large sugar mill and insulating board plant near Clewiston, Fla., as follows:

"The erection of the proposed sugar mill and Celotex plants in Florida is still in a formative stage. The grinding of sugar presupposes the production of cane and the production of cane requires proper cane lands. To secure these latter the Sugarland Drainage District was formed, and the drainage work therein is progressing as fast as it is physically possible to carry it onward. The undertaking is a very big one, comprising 43,000 acres, of which approximately 15,000 acres in the Sugarland district is intended for cane, and, of course, this cannot be accomplished overnight. The reclamation contract calls for the completion of the work around the first of the year, at which time it is expected that the reclaimed areas will be in shape to go on for plantation culture.

"In the meantime I have purchased the mill and properties of the Florida Sugar and Food Products Company at Canal Point, with approximately 5000 acres suitable for cane raising. Between Canal Point and such lands as are being planted with cane in the Clewiston section we have now approximately 1500 acres in cane planting, which will be sufficient to give seedlings to draw from for the development of the larger tracts early in 1927.

"It will take from 18 to 24 months to bring the larger area into cane production, and by that time it is my present intention to have erected and in operation the new contemplated sugar mill at Clewiston.

"As soon as bagasse is made available it is the plan that the Celotex Company will then build its mill."

Big Year on New York Stock Exchange in 1925.

The annual report of E. H. H. Simmons, president of the New York Stock Exchange, covering the work of that organization from May 1, 1925, to May 1, 1926, has been published in book form by the Committee of Publicity of the Exchange, James C. Auchincloss, chairman. The Exchange was founded in 1792, and from the small beginnings of that year it has grown to a business in 1925 with dealings in more than 452,000,000 shares of stocks and more than \$3,398,000,000 par value of bonds, these figures representing only open-market transactions. During the year prices of memberships ranged from \$99,000 on January 15 to \$150,000 on December 3, 84 memberships being transferred in 1925.

Demand Developing for Low-Grade American Cotton.

There appears now to be a definite demand for low-grade cottons of all lengths of staple, and of late there has been active buying of the lowest of the low grades, according to the Department of Agriculture.

Reports indicate that low-grade cottons are going into many constructions of fabrics in which finishing qualities are not important. It appears also that there has been some blending of these low grades, with the high grades which were accumulated by manufacturers earlier in the season.

\$500,000 Hotel Opened at Haines City.

Haines City, Fla.—Guests from every section of Florida attended the recent informal opening of the new Polk Hotel here, erected at a cost of about \$500,000. The hotel is 10 stories high and was erected by the Development Corporation of Florida, of which Ralph Polk of this city is president. Wallick & Rich of Indianapolis, Ind., and Winter Park, Fla., are the architects, and Stevenson & Cameron of Sarasota and New York contractors.

Big Power Project in Connection With Lake Lure Development in Western North Carolina.

By BART LEIPER, Chimney Rock Mountains, Inc., Chimney Rock, N. C.

That all construction risks have now been passed in the erection of the big Lake Lure dam at Chimney Rock, western North Carolina, is the assertion of C. A. Mees of the engineering firm of Mees & Mees, Charlotte. His words are echoed by Paul L. Holland, resident engineer upon the big project which is now two-thirds completed.

This dam will form a 1500-acre lake as the central feature of a mountain-lake resort, embracing 8400 acres, being developed by Chimney Rock Mountains, Inc., of which Dr. L. B. Morse is president. It is part of a program involving more than \$6,000,000 in actual expenditures to give Lake Lure every phase of resort life of the highest type, including hotels, improved roads through residential areas, sewer system, water lines, power and light lines, and telephone connections, bathing beaches, pavilions, club houses, golf courses and similar improvements.

Operation of the Lake Lure power plant will be entirely automatic, controlled from Turner Shoals Station of the Blue Ridge Power Company, six miles distant. By means of float switches the level of the lake will automatically determine the operation of the power units. These consist of a unit of 1750 horsepower and another of 3500 horsepower, turbines for which have already been installed. A third unit of 3500 horsepower will be installed at a later date when the demand for current makes this essential.

The total output is estimated at 13,500,000 kilowatt-hours annually, the two units now installed being capable of handling this amount under normal conditions. As the estimate is purposely placed low, an excess of at least 10 per cent is regarded as very possible in times of good water flow.

Recent excavation has brought to light solid rock formations for every remaining foot of masonry necessary to connect the entire structure of the dam, which will be approximately 585 feet long, 104 feet high and 165 feet thick at the base. A highway bridge with ornamental lights will pass over the spillway, 135 feet above the base of the dam.

Lake Lure will be self-supporting, says Mr. Mees, who calls attention to the fact that under the existing contract all power is purchased by the Blue Ridge Power Company, which, in turn, during the life of the contract, will sell to the Lake Lure developers all the current they require at central-station prices. They, in turn, will sell to the residential consumers current for both power and light at figures

in keeping with those prevailing in the majority of Southern cities.

In this way the electrical output should be sufficient to retire the bonds floated to build the dam, as well as to handle the interest and overhead. It is estimated that within a short time after the expiration of the 10-year contract, if not before, the Lake Lure development will be utilizing practically the entire output of the power plant.

Flood control will be provided adequately through the installation of three floodgates, each 16 by 25 feet, electrically operated but manually controlled. It is estimated that even the worst flood conditions ever experienced in western North Carolina, such as the unprecedented rainfall of 1916, would be easily and safely handled by the spillway and floodgates if needed, at the same time working no great hardship upon property owners along the lakeshore, as the level of the lake would rise only about two feet above normal.

Clement-Dunnavant Company, Charlotte, N. C., are the general contractors. The Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., will supply the generators. The S. Morgan Smith Company, York, Pa., will furnish the turbines.

Quicker Handling of Mails on Southern Railway.

Atlanta, Ga.—Through the establishment of postal service between Cincinnati and Jacksonville on trains Nos. 1 and 2 of the Southern Railway system, the "Ponce de Leon," more prompt handling of first-class mail, including letters and newspapers, has been effected, with the saving of a business day in many cases. These earlier southbound deliveries are considered as of great importance as affecting Georgia, Florida and South Carolina points, while earlier northbound deliveries, it is said, will mean a saving of a full day to the business centers of Kentucky, Ohio, Indiana, Illinois, Michigan and all Western states served through the St. Paul and Omaha gateways.

Mail from the West coming through Chicago and Cincinnati for points in South Carolina as far east as Greensboro, N. C., is now handled by the Southern Railway's "Carolina Special," resulting in a saving of more than three hours at Asheville, nearly four hours at Salisbury, five hours and forty minutes at Spartanburg and six hours at Columbia, with proportionate advances at other points.



VIEW OF CONSTRUCTION UNDER WAY ON LAKE LURE DAM.

\$2,000,000 for New Baking Plants to Be Erected in Four Florida Cities.

CONSTRUCTION SOON TO START—PLANTS TO BE LOCATED AT TAMPA, MIAMI, WEST PALM BEACH AND DAYTONA.

Confidence in the soundness of the present development of Florida and faith in its future are to be demonstrated by the Southern Baking Company, according to President Harry D. Tipton, by the construction of four new plants in that state, in addition to those it already has there and those it is operating in other parts of the South. The new plants are to be situated at Tampa, Miami, West Palm Beach and Daytona, and work will be started on them this month, says Mr. Tipton, with expectation of putting them into operation about December 1. The cost of the plants, it is figured, will run well over \$2,000,000.

Involved in this new construction has been "the world's largest oven order," as the Petersen Oven Company of New York, Chicago and San Francisco puts it, this including seven Petersen "Travellers," to be distributed among the plants. The largest ovens in this order have a capacity of 4500 loaves of bread an hour and the smaller ones have a capacity of 3500 an hour.

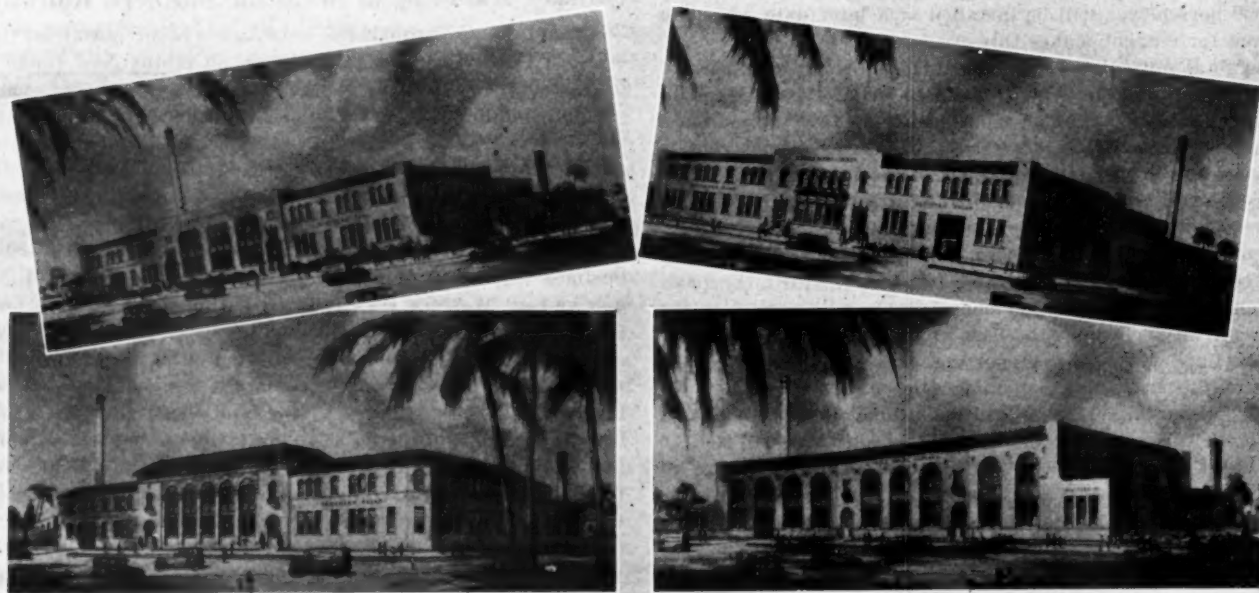
In the construction of these individual plants the four will be grouped in one unit, the material and equipment for all four being purchased in one blanket order, thus assuring,

Atlanta plant, "assures that the loaves automatically will be baked with positive uniformity."

With these four additions to the present chain of 10 plants of the Southern Baking Company, the output of the concern, beginning December 1, will run to 12,000,000 loaves a year, or 1,000,000 loaves in each month. The present capacity, says Mr. Tipton, is 7,800,000 loaves a year, so that the increase will be over 50 per cent. Provision also is being made, he adds, for future expansion of the plants, running up to 80 or 90 per cent.

In expectation that over 700 persons will be employed in the plant, Mr. Tipton proposes to provide homes in Tampa, Jacksonville and Miami for those working in those cities, and he "plans to make them comfortable and sanitary and home-like in every respect." Mr. Tipton also says there will be no discrimination between union and independent workers, but that all will be treated alike.

The Southern Baking Company, the MANUFACTURERS RECORD is informed, is incorporated under the laws of Delaware as a holding company for a number of Southern baking concerns, this list including the Stone Baking Company of



THE FOUR NEW FLORIDA PLANTS OF THE SOUTHERN BAKING CO.
Top Left—Miami. Lower Left—Tampa. Top Right—Daytona. Lower Right—West Palm Beach.

it is felt, uniformity and economy. The plans and specifications are in the hands of J. Edwin Hopkins, 41 Park Row, New York city, to whom also has been delegated the entire responsibility of making all the purchases and installing the equipment.

Of the seven Traveller ovens, two will be installed in the Tampa plant and two in that at Miami, each of these ovens being 110 feet over all. One, 83 feet over all, will be installed at Daytona, and one, of the same dimensions, at West Palm Beach, while another, 67 feet over all, will be added to the equipment of the Jacksonville plant.

"These ovens," says Mr. Tipton, who has tried them in his

Atlanta; Carolina Baking Company, operating in Charlotte, Greensboro and Gastonia, N. C.; Schafer Baking Company, Savannah; Dorsey Baking Company, Jacksonville; Seybold Baking Company, Miami; Lee Baking Company, Tampa and Orlando; the Twin Cities Baking Company, Tampa. The area of the territory of the Southern Baking Company's present and possible activities is figured at 193,000 square miles.

The officers of the company are: President, Mr. Tipton; vice-president and general manager, H. O. Miller of Charlotte, a veteran in the baking business; vice-president, F. O. Stone, Atlanta; secretary and treasurer, John W. Schomaker;

comptroller, H. M. Root, formerly with the United Bakeries Corporation; directors, the officers and George A. Zabriskie, president of the Empire Biscuit Company and director in the Pillsbury Flour Mills Company; John Seybold, organizer of the Seybold Baking Company, and George P. Wadsworth, president of the Wadsworth-Sehorn Company, Charlotte.

Southern Metal Trades Year Book.

The Year Book of the Southern Metal Trades Association, Atlanta, Ga., which includes the annual reports and other papers read at the ninth annual convention of the Association, held at Macon in that state on May 5 and 6 this year, is just off the press, and a copy has been received by the MANUFACTURERS RECORD from W. E. Dunn, Jr., secretary. The code of ethics prepared by Mr. Dunn and adopted at the convention is particularly deserving of attention and consideration, and it is suggested that it be hung in a conspicuous place in the office of each member for salesmen and other employes to study and heed. There are about thirty large pages in the book, and all the contents are of interest and value.

Merchants and Miners Begin Operating Freight Line, Baltimore to Palm Beach.

J. B. Sweeny, general traffic manager of the Merchants and Miners Transportation Company, Baltimore, writes to the MANUFACTURERS RECORD as follows concerning the recent purchase by that company of the Baltimore-to-Palm Beach Line of the Consolidated Navigation Company:

"The first sailing from Baltimore was on June 30, and we expect to have fortnightly sailings thereafter. The company acquired, with the good-will, a steamship, the Lake Helen, which it is proposed to rename York, together with the pier properties at Riviera Docks, Lake Worth inlet, adjacent to Palm Beach, Fla.

"This new service will operate to and from Pier 3, Pratt street, Baltimore, making Jacksonville a port of call. Freight only will be handled for the present and until such time as the water in the channel at Lake Worth inlet can be made of sufficient depth to accommodate passenger steamers. This, we expect, will be completed some time this fall. R. T. Merritt is retained as agent of the line at West Palm Beach."

Another Large Cotton Crop Indicated.

A HEAVY INFESTATION OF THE COTTON-FLEA IS REPORTED IN SOME SECTIONS.

A United States cotton crop of 15,635,000 bales (500 pounds gross weight) in 1926 is indicated by the condition of 75.4 per cent of normal upon the 48,898,000 acres in cultivation on June 25, as estimated by the Crop Reporting Board of the United States Department of Agriculture.

The final outturn of the crop will depend upon whether the various influences affecting the crop during the remainder of the season are more or less favorable than usual. If developments during the remainder of the season are as unfavorable to the crop as during 1921, 1922 and 1923, a total production of about 13,726,000 bales might be expected on the estimated acreage. On the other hand, if later developments are as favorable to the crop as during 1924 and 1925, a total production of about 16,294,000 bales might be expected. Production in 1925 was 16,085,905 bales; in 1924, 13,627,936 bales; in 1923, 10,139,671 bales; in 1922, 9,762,069 bales, and in 1921, 7,953,641 bales.

The area in cultivation on June 25 in 1926 was 1.7 per cent more than in 1925, 14.7 per cent more than in 1924 and 25.3 per cent more than the average of the five years 1921-1925. If the per cent of cotton area abandoned during this season should be equal to the average of the past 10 years, the area which would remain to be harvested in the United States this year would be 47,153,000 acres. Increased acreages are shown in all states east of the Mississippi River, except those along the northern border of the cotton belt. West of the Mississippi the acreage has been decreased in all states except in Louisiana, Arkansas and Arizona.

Except in the extreme western end of the cotton belt, the planting of the crop was late. Although germination was delayed by adverse weather conditions, especially in the Piedmont areas of the Carolinas and north Georgia, satisfactory stands have now been secured in most parts of the belt.

The number of weevils present seem to be less than a year ago, except in Louisiana and Texas. However, the rather wide infestation of the cotton crop by the hopper, or cotton flea, especially in Texas, Louisiana and Georgia, combined with the lateness of the season in most states, leaves the crop in an unfavorable position should the number of weevils increase materially later in the season.

M. S. Yeomans, nursery inspector, Georgia State Board of Entomology, Atlanta, Ga., writes the MANUFACTURERS RECORD about the cotton-flea infestation in Georgia as follows:

"At the present time the cotton flea has made its appearance in about 75 counties, located in every section of the state. It is almost certain that the cotton flea is in practically every county where cotton is grown in Georgia. An accurate determination of the damage done by this insect cannot be made at this time. In some cases I believe that the production has been cut in half, and this is especially true where the flea has been in the field for a week or so before the farmer noticed them."

The Texas crop has had a late start and insect damage menaces an otherwise favorable situation. The cotton hopper has been active in at least 65 counties, the boll weevil has increased rapidly under the rainy conditions prevailing, the leafworm has appeared in the southern counties and grasshoppers are numerous in the west. Stands are good and the crop is generally well worked.

State	Per cent compared with 1925	Area in cultivation June 25, 1926 (preliminary estimate) Acres	Condition, June 25		
			1926 Per cent	1925 Per cent	Five-year average 1921-1925 Per cent
Virginia	92	93,000	62	83	78
North Carolina ...	101	2,057,000	63	77	75
South Carolina ...	103	2,789,000	55	70	66
Georgia	110	4,028,000	70	76	66
Florida	110	113,000	78	84	75
Missouri	90	488,000	80	90	77
Tennessee	100	1,191,000	72	85	75
Alabama	107	3,787,000	78	79	69
Mississippi	108	3,781,000	78	88	74
Louisiana	104	1,979,000	73	81	72
Texas	99	18,948,000	80	64	71
Oklahoma	97	5,160,000	78	88	75
Arkansas	104	3,967,000	79	87	76
New Mexico	96	132,000	80	88	84
Arizona	104	168,000	91	92	90
California	98	167,000	99	95	89
All other	85	50,000	74	94	..
U. S. total	101.7	48,898,000	75.4	75.9	71.5
Lower California (Old Mexico)*...	90	135,000	95	110	..

*Not included in California figures nor in United States total.

The acreage in Other States is made up of 6000 in Illinois, 2000 in Kansas and 42,000 in Kentucky.

The acreage in Arizona of Pima Egyptian long staple is estimated at 30,000 acres, compared with 40,000 acres in 1925.

Activity in New Buildings and in Road Construction in Pasco County, Florida.

By CARL H. RERICK, Secretary, Pasco County Chamber of Commerce, Dade City, Fla.

Interest in dairying and poultry farming in Pasco county is increasing, herds and flocks have been enlarged and more people are engaging in one line or the other. Farmers realize more than ever that Pasco county should be the garden, chicken yard and dairy farm of Lakeland, Tampa and Pinellas county, Florida.

Two new roads are almost finished, which cut the mileage between Lake Jovita (San Antonio) and Tampa. Rock foundation on State Road 15—the Coast road—between Port Richey and the cross-county road has been finished, while the road between Dade City and Lakeland has been finished in Pasco county and soon will be in Polk county.

The Interstate Commerce Commission has authorized changes in the route of the Atlantic Coast Line extension from Thonotosassa to Dade City, whereby Zephyrhills and Richland will share with Dade City benefits from the construction of this line in a new through route between north and south Florida. The County Chamber of Commerce has declared in favor of establishing several public parks and will do what it can to secure them.

In Dade City the Woman's Club House, built and furnished at an expenditure of \$25,000, has been formally opened. Merchants of Dade City have organized a retail merchants' association, and F. D. Cosner has begun the erection of the De Luxe Apartments on Meridian street. Directors of the Dade City Community Hotel have awarded contract for building a new hotel to R. M. Anderson of Tampa, and work has begun. This hotel will be constructed of reinforced concrete, five stories, 100 by 100 feet, and will contain 82 guest rooms. It will cost \$120,000. The Dade City Cement Products Company has received contracts for furnishing cement, brick and tile for a new hotel in West Palm Beach and for the new \$200,000 dormitory for St. Leo High School.

Contract for the millwork for a new \$125,000 grade-school building has been awarded to Highlands Milling Company and plumbing contract let to the Dade City Plumbing Company, both local firms.

The Knights of Pythias have approved plans for a combined business block and castle hall submitted by W. R. Biggers of Tampa. Plans call for a building 50 by 90 feet, fireproof, of steel and concrete, four stories and basement. The first floor will contain two storerooms; second, theater and offices; third, hospital, and the fourth floor a castle hall and clubrooms.

A tract of 45 acres at the south corporation line of the city has been selected for landing field, baseball park and county-fair grounds.

Building permits issued in the first six months of 1926 represent a construction cost of \$1,455,400, an increase of more than \$1,000,000 over the same months in 1925. Permits for June this year call for work on 14 structures, with an estimated cost of \$216,100, as compared with 11 permits in June, 1925, having an estimated cost of \$16,410.

San Antonio has voted to change its name to Lake Jovita. St. Leo and W. E. Currie's golf estates, which share the beautiful body of water bearing this name, will share in the new title, though St. Leo will retain its postoffice and municipal identity. The Atlantic Coast Line will build a new station at a midway point.

At Odessa water, light, power and street paving are under consideration, and a movement is on foot to erect a citrus-packing house. Land has been secured for a tourist camp, and Persons Heights, in the heart of the town, has been cleared and several houses built.

The City Council of New Port Richey unanimously voted

a \$568,000-bond issue for streets, park system, library building, city hall and possibly a baseball park.

St. Petersburg men have acquired more than 1000 acres east of the city for development into five and ten acre truck farms, and E. Lautenslager & Son have built and equipped a factory for the manufacture of interior finish and woodwork. Directors of the Community Hotel, to be built this year, have accepted plans by Thomas Reid Martin of Sarasota, and the Gulf Engineering Company has organized with Clyde Burns as president. Under the direction of the company a fill has been made for the Montgomery properties at Weeks Point.

A Baptist church is erecting a building. The Burns-Becker Realty Company, developing a subdivision at Jasmin Point Estates, has erected a water tower. Fifty names have been enrolled for the organization of an Episcopal guild, and a site has been bought for a church. A contract has been let to H. C. Hansen of Clearwater for the construction of a grade-school building to cost \$65,000.

The Chamber of Commerce of Zephyrhills is sponsoring a park program to cover two blocks either side of the Seaboard Air Line right of way, and plans are being completed by a landscape engineer. The Fauvre Industrial Company is clearing a site for a business building, two stories, with storerooms on the ground floor, and offices and assembly hall on the second. The valuation of building for which permits were issued in June is estimated at \$21,000.

Savannah Company to Operate Birmingham Plant.

Birmingham, Ala.—Negotiations have been completed by the Southern States Iron and Roofing Company of Savannah, Ga., capitalized at \$750,000, and owned by Jesse and Hal Fullenwider, with Charles A. Jones, Jr., Ted Brownell and others of this city, for the erection of a building in Birmingham on 7th street between Fifth and Sixth avenues, in which a plant for the manufacture of roofing and reinforcing bars for concrete will be installed. Steel sheets will be purchased from the Tennessee Coal, Iron and Railroad Company. The plant is expected to be ready for operation by the fall and will employ about 100 men.

Contract for \$1,000,000 Hotel in Amarillo.

Amarillo, Texas.—General contract has been awarded to the H. W. Underwood Construction Company of this city to erect a \$1,000,000 hotel here for C. T. Herring. The building will be 14 stories, 120 by 140 feet, fireproof, of brick, steel and reinforced concrete, to contain 600 rooms. Shepard & Wiser of Amarillo are the architects and Ernest O. Thompson is the lessee.

New \$1,000,000 Sarasota Hotel Opened.

Sarasota, Fla.—The informal opening of the new \$1,000,000 Sarasota Terrace Hotel here was featured by a dinner and dance. It is understood that the hotel will be formally opened in the fall. The structure, which is 12 stories high, was designed by Pringle & Smith of Atlanta, and was erected by Adair & Senter, also of Atlanta. It is owned by Charles Ringling of this city.

Winter Park Sells \$425,000 of Bonds.

Winter Park, Fla.—Bonds in the amount of \$425,000 for municipal improvements have been sold by the city of Winter Park to the Guardian Detroit Company of Detroit, Mich., at 98.22. The bonds will mature in 30 years and will bear an interest rate of 5½ per cent. Funds from the sale will be used for sewers, water, light, paving and parks.

Facts About Child Labor

*Presented from Statistics of the United States Census
with Introduction*

By RICHARD H. EDMONDS, *Editor Manufacturers Record*

ABOUT a year ago a distinguished minister, in a public address, said that there were 60,000 children from 10 to 14 years of age in the mills of one Southern state. The actual fact was that at that time there were only about 50,000 people employed in all the textile mills of that state, and of these only 71 were from 10 to 14½, and each one of them had a special permit to work, for the state prohibited the employment of persons under 14½, excepting orphans over 12 or children of a widowed mother.

About the same time a California lecturer stated that

she had seen in Southern cotton mills children from 4 to 6 years old at work. If this had been true it would be the highest possible testimonial to the marvelous strength of mind and body of the children of the South, who at from 4 to 6 years of age could handle complicated machinery.

Shortly after Massachusetts by popular vote refused to ratify the Child Labor Amendment, two students of a leading Southern university, in the course of a debate with students from another university, stated that "the National Association of Manufacturers had spent millions

Continued on page XVI

What the Charts Reveal

By HOWELL CHENEY of *Cheney Brothers*, and *Chairman, Junior Education and Employment Committee, National Association of Manufacturers*

THE country has expressed itself as being unwilling to accept the Twentieth Amendment to the Constitution in regard to child labor. The reasons, however, which influenced the crystallization of public opinion against this amendment concern themselves most forcibly with a discussion of the proposed means of administration and the enforcing of a national policy in regard to the intimate lives of children. The decisions arrived at by the states were based upon objection to Federal interference in this realm, and it is doubtful whether any discussion of an amendment to the Federal Constitution has concerned itself less with the scientific study of the desirability of the objects aimed at or the facts underlying these proposed objects. The result was arrived at more on the basis of an overwhelming public opposition to the means sought to carry the proposal into effect, rather than of a matured and balanced objection to the ultimate purposes themselves.

If it be true that the question of the Federal regulation of the lives of children under 18 years of age has been settled, for the present at least, the way is now clear for a discussion by the states of the legitimacy of the objects sought on their own merits. In fact, the decision arrived at puts this responsibility up to the individual states.

To this discussion by the individual states the National Association of Manufacturers has pledged itself in no uncertain terms by resolutions and supporting appropriations to contribute of its best efforts, both as an organization and through its constituent membership. In

insisting that the power to remedy the situation lay with the states where remedies were needed, the National Association of Manufacturers pledged itself to assist in presenting to the states the facts in regard to the situation and such corrections as a study showed were either advisable or necessary.

A committee of the National Association of Manufacturers was created to act first as a fact-finding commission. The fields of study which it proposes to survey comprise the following:

1. A study of the laws dealing in the various states with the employment of minors. This has already been published in charted form, but is now in process of revision to bring it up to date.
2. A study of the number of persons employed in gainful occupations under 15 years of age and the tasks upon which they are occupied. The following charts are issued in the fulfillment of this purpose.
3. The number, nature and causes of accidents; the hazards of the various trades to persons under 18 years of age who are employed in gainful occupations.
4. The extent to which persons 16 years of age remain in school, with a study of the results obtained by promotions earned and a comparative study of the results obtained by the employment of children under 16 years of age measured by the promotions and wages earned.
5. A study as to whether the same basic plans of education should be given to or required of all children, regardless of differences of individual ability or circumstance.

The present study is confined to the most vital facts in regard to the employment and education of juniors under 15 years of age, and is an attempt to express graphically its researches into the immense amount of material at hand in regard to this subject.

Continued on page XVI



HOWELL CHENEY

Epitome of Chart No. 1

THE QUESTIONS

WHAT are the age divisions of 10-15-year-old children? How many in each group are employed? In what occupations are they employed?

THE ANSWERS GIVEN IN THIS CHART

THERE are 12,502,582 children under 16 years old enumerated in the census, of whom over two-thirds are less than 14. Of the total number 8.5 per cent, or 1,060,858, were gainfully employed.

Of the 10-13-year-old children, 4.4 per cent, or 378,063, were employed; 87 per cent of these 378,063 were in agriculture (Chart No. 6 reveals that only 0.6 per cent of all 10-13-year-old children in 1920 were in non-agricultural pursuits).

Of the 14-year-old children, 12.6 per cent, or 257,594, were employed; 58.6 per cent of these were in agriculture and 19.6 per cent—about one-third as many—in manufacturing and mechanical industries.

425,201 15-year-old children, representing 22.8 per cent of all children of that age, and 40.1 per cent of all children employed, were at work in 1920, 167,374, or 39.4 per cent were in agriculture and 29.5 per cent in manufacturing and mechanical industries.

OBSERVATIONS

AMONG all the 10-15-year-old children employed agriculture heads the list with 61 per cent, clerical occupations take 7.6 per cent and the manufacturing and mechanical industries come third with only 85,337, or 7.5 per cent of the total number.

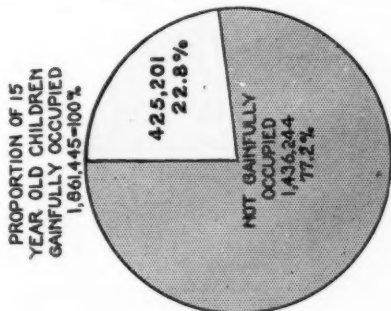
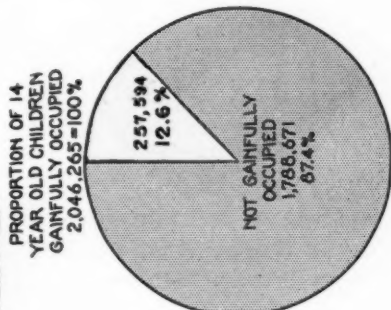
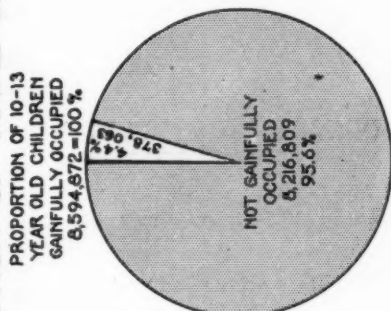
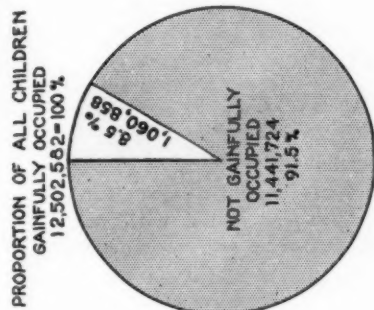
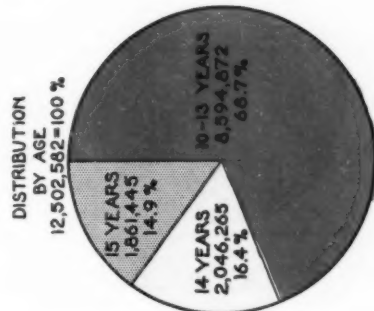
In every age grouping of children under 16 years old agriculture employs the greatest number.

ALL CHARTS IN THIS PRESENTATION DEVISED BY
CHARLES B. LAMB,
CHIEF STATISTICIAN OF CHENEY BROTHERS

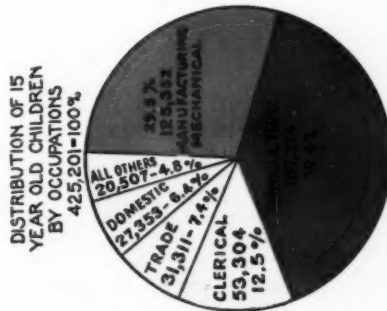
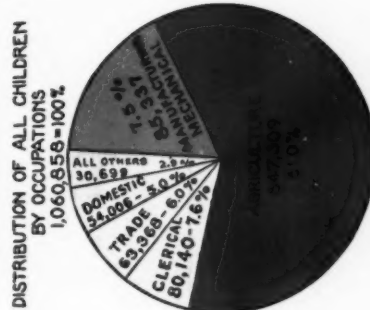
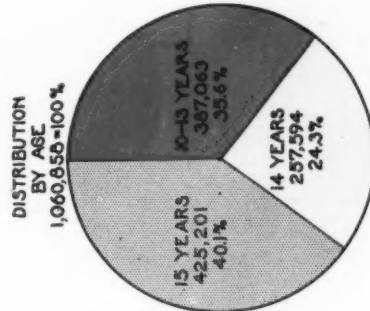
DISTRIBUTION OF CHILDREN 10-15 YEARS OF AGE

BY
AGE-OCCUPATION
AT THE FOURTEENTH CENSUS OF THE UNITED STATES-POPULATION-1920
SOURCE-UNITED STATES BUREAU OF THE CENSUS

DISTRIBUTION OF TOTAL CHILDREN



DISTRIBUTION OF CHILDREN IN GAINFUL OCCUPATIONS



COMPILED FOR
NATIONAL ASSOCIATION OF MANUFACTURERS

Chart No. 1

Epitome of Chart No. 2

THE QUESTIONS

WHAT proportion of all persons of all ages gainfully employed are between 10-15 years old?

What proportion of the workers in each industry are in the 10-15 year age group?

THE ANSWERS GIVEN IN THIS CHART

ONLY 1,060,858, or 2.55 per cent, of all persons gainfully employed in 1920 were under 16 years old.

Similar figures appear for the various industries, showing, for example, that only 0.62 per cent of all transportation workers were less than 16 years old.

OBSERVATIONS

THE greatest proportion of employment of persons less than 16 years old is in agriculture, with 5.91 per cent, as contrasted with only 1.45 per cent in manufacturing and mechanical industries.

COMPARATIVE IMPORTANCE OF CHILD LABOR IN INDUSTRY

BY

AGE AND INDUSTRIAL GROUPS

AT THE FOURTEENTH CENSUS OF THE UNITED STATES - POPULATION - 1920

SOURCE - UNITED STATES BUREAU OF THE CENSUS

ALL OCCUPATIONS

PROPORTION OF 10-15
YEAR OLD CHILDREN
41,614,248-100%

AGRICULTURAL PURSUITS

PROPORTION OF 10-15
YEAR OLD CHILDREN
10,953,156-100%

NON AGRICULTURAL PURSUITS

PROPORTION OF 10-13
YEAR OLD CHILDREN
30,661,090-100%PROPORTION OF 10-14
YEAR OLD CHILDREN
30,661,090-100%

NON AGRICULTURAL PURSUITS

PROPORTION OF 10-15
YEAR OLD CHILDREN
30,661,090-100%

EXTRACTION OF MINERALS

PROPORTION OF 10-15
YEAR OLD CHILDREN
1,090,223-100%

TRANSPORTATION

PROPORTION OF 10-15
YEAR OLD CHILDREN
3,063,582-100%

TRADE

PROPORTION OF 10-15
YEAR OLD CHILDREN
4,242,979-100%

PUBLIC SERVICE

PROPORTION OF 10-15
YEAR OLD CHILDREN
770,460-100%

PROFESSIONAL SERVICE

PROPORTION OF 10-15
YEAR OLD CHILDREN
2,143,189-100%

DOMESTIC-PERSONAL

PROPORTION OF 10-15
YEAR OLD CHILDREN
3,404,892-100%

CLERICAL OCCUPATIONS

PROPORTION OF 10-15
YEAR OLD CHILDREN
3,126,541-100%

MANUFACTURING AND MECHANICAL INDUSTRIES

PROPORTION OF 10-13
YEAR OLD CHILDREN
12,818,524-100%PROPORTION OF 10-14
YEAR OLD CHILDREN
12,818,524-100%PROPORTION OF 10-15
YEAR OLD CHILDREN
12,818,524-100%

TEXTILE INDUSTRIES

PROPORTION OF 10-15
YEAR OLD CHILDREN
945,707-100%

COMPILED FOR

NATIONAL ASSOCIATION OF MANUFACTURERS

Chart No. 2

Epitome of Chart No. 3

THE QUESTIONS

WHAT proportion of all children of 10-15 years old were employed in 1920 in the United States? In the various states?

What proportion of the 10-15-year-old children in each state are in manufacturing and mechanical industries, in other non-agricultural pursuits and in agriculture?

THE ANSWERS GIVEN IN THIS CHART

IN 1920 8.5 per cent of all 10-15-year-old children in the United States were employed. The figures for each state, and the District of Columbia, are also given. Thus we find that in Mississippi 25.5 per cent of all 10-15-year-old children are employed. Six-tenths of 1 per cent of the 10-15-year-old children in Mississippi are in manufacturing and mechanical industries and 1 per cent in other non-agricultural pursuits, making a total of 1.6 per cent in non-agricultural occupations; 23.9 per cent are in agriculture, giving the total of 25.5 per cent.

OBSERVATIONS

IN twenty states less than 4 per cent of the 10-15-year-old children are employed. In only one state are more than 10 per cent of the 10-15-year-old children employed in manufacturing and mechanical industries; in only two states are over 5 per cent employed in these industries. In 28 states less than 1 per cent of the 10-15-year-old children are in manufacturing and mechanical industries.

PROPORTION OF TOTAL 10-15 YEAR OLD CHILDREN GAINFULLY OCCUPIED

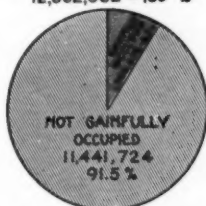
BY STATES

AT THE FOURTEENTH CENSUS OF THE UNITED STATES-POPULATION-1920

SOURCE-UNITED STATES BUREAU OF THE CENSUS

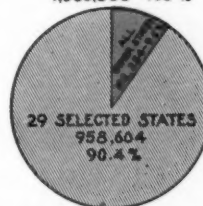
PROPORTION GAINFULLY OCCUPIED-UNITED STATES

12,502,582 = 100 %

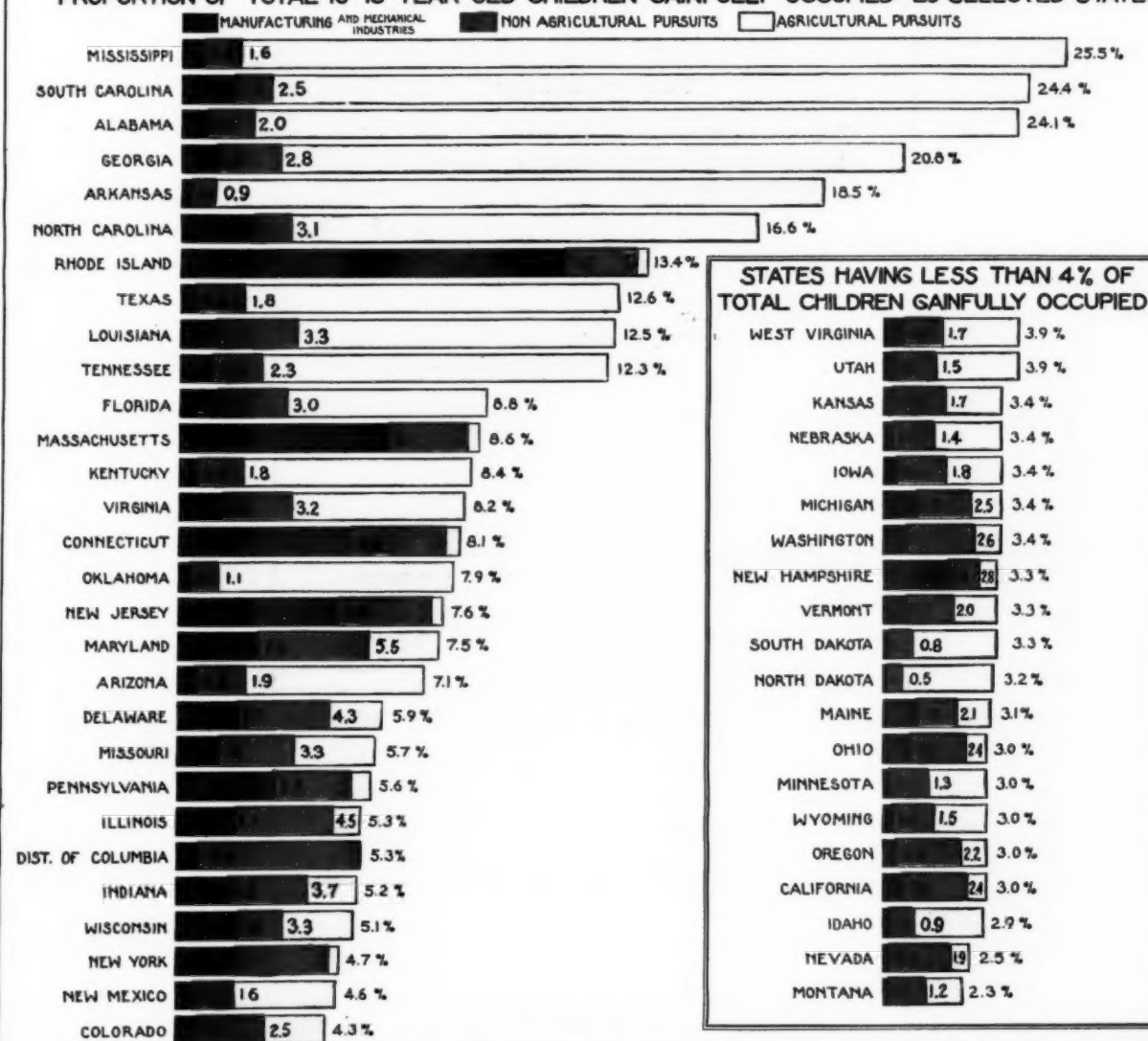


DISTRIBUTION OF GAINFULLY OCCUPIED CHILDREN

1,060,858 = 100 %



PROPORTION OF TOTAL 10-15 YEAR OLD CHILDREN GAINFULLY OCCUPIED-29 SELECTED STATES



COMPILED FOR

NATIONAL ASSOCIATION OF MANUFACTURERS

Chart No. 3

Epitome of Chart No. 4

THE QUESTION

IN what occupations are most of the 413,549 children 10-15 years of age in non-agricultural pursuits engaged?

THE ANSWER GIVEN IN THIS CHART

EACH industry employing 2000 or more children is listed. Thus we find that the coal mines employ 1.4 per cent of all the 10-15-year-old children in non-agricultural occupations.

OBSERVATIONS

THE manufacturing and mechanical industries which employ over 5000 children each are textiles, metal industries, clothing industries, food and shoe factories.

Messengers, bundle clerks, office boys, newsboys combined total 14,085 more than the textile industry, and there are more newsboys than there are 10-15-year-old children in any other manufacturing industry.

DISTRIBUTION OF CHILDREN 10-15 YEARS OF AGE

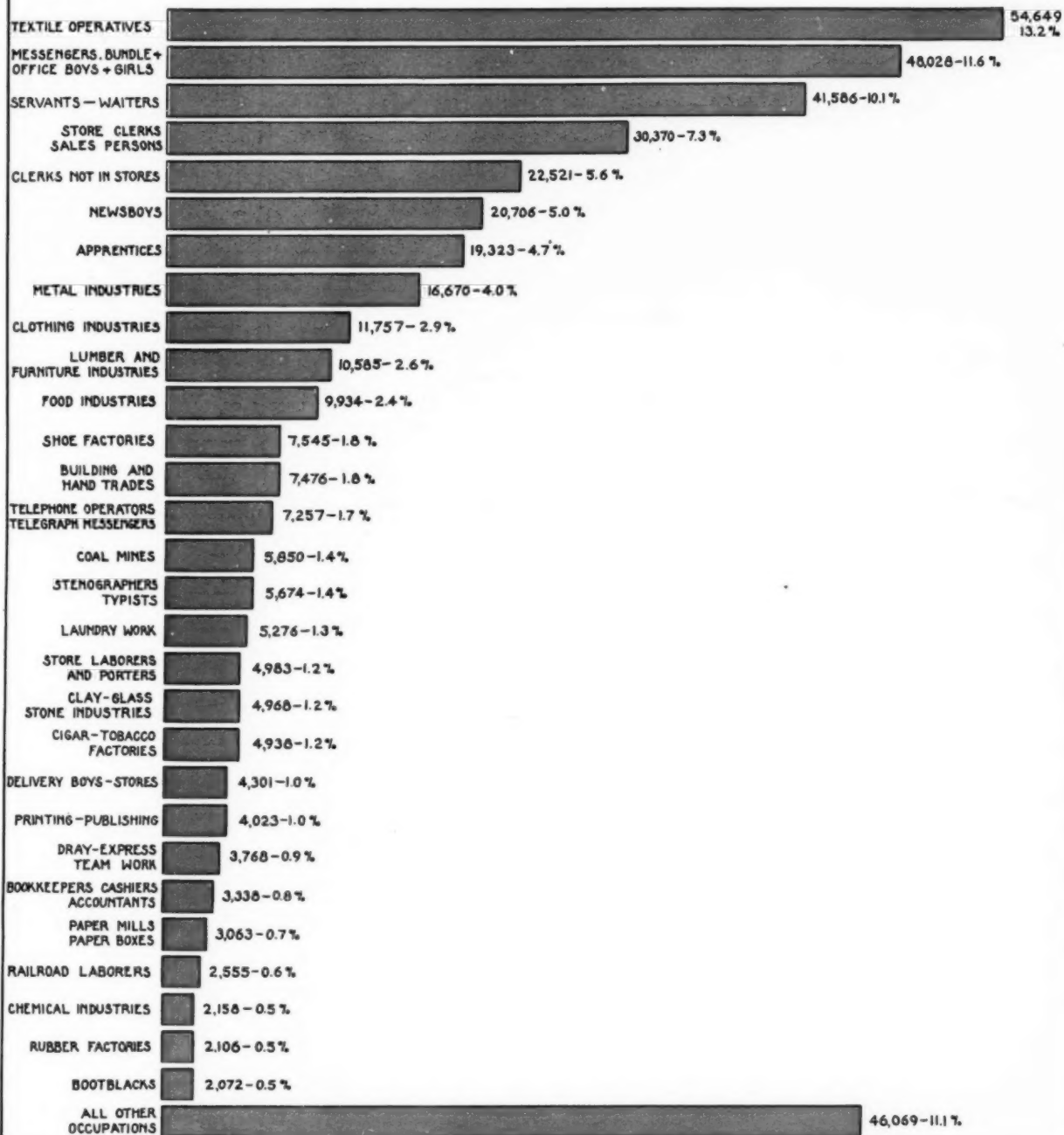
BY

PRINCIPAL NON AGRICULTURAL OCCUPATIONS

AT THE FOURTEENTH CENSUS OF THE UNITED STATES-POPULATION - 1920

SOURCE-UNITED STATES BUREAU OF THE CENSUS

TOTAL CHILDREN IN NON AGRICULTURAL OCCUPATIONS-413,549-100%



COMPILED FOR
NATIONAL ASSOCIATION OF MANUFACTURERS

Chart No. 4

Epitome of Chart No. 5

THE QUESTIONS

IN what branches of the textile trade are most of the 54,649 children 10-15 years old in that industry employed? How many workers in each branch are 10-15 years old?

What are the age divisions in this group of 10-15-year-old children?

How does the proportion of children to total textile workers compare in the 1920 census with the 1910 census?

What is the proportion of children to total textile workers in the leading textile states?

THE ANSWERS GIVEN IN THIS CHART

IN the textile industry 40 per cent of the 10-15-year-old children are employed in cotton manufacturing; 63.2 per cent of all children in textiles were 15 years; 34.3 per cent were 14 years; 12.8 per cent of the cotton operatives in 1910 were 10-15 years old and only 5.8 per cent in 1920. In the textile industry as a whole 10 per cent of the operatives were 10-15 years old in 1910 and 5.8 per cent in 1920, the largest percentage in the latter year being 8 per cent in silk. In every branch of the industry a smaller percentage of the operatives were 10-15 years old in 1920 than in 1910.

OBSERVATIONS

THE five states with the largest number of 10-15-year-old textile operatives in 1920 were Massachusetts, Pennsylvania, North Carolina, Rhode Island and New Jersey.

The five states in which the largest percentage of textile operatives are less than 16 years old are Pennsylvania, Wisconsin, Rhode Island, North Carolina and Tennessee. In only ten states were more than 5 per cent of the operatives less than 16 years old, Pennsylvania and Wisconsin leading with 8.5 per cent.

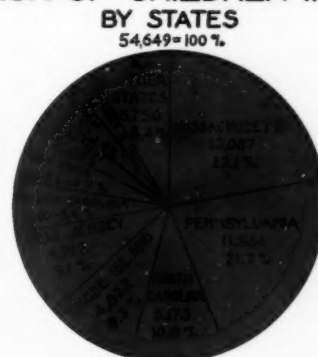
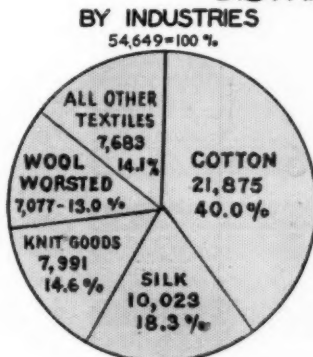
CHILDREN 10-15 YEARS OF AGE IN TEXTILE INDUSTRIES

REPRESENTED BY

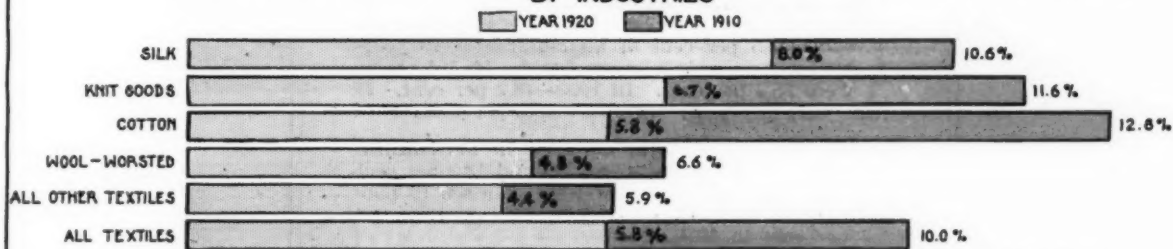
THE DISTRIBUTION OF CHILDREN IN TEXTILES BY INDUSTRIES-STATES-AGES. THE PROPORTION OF CHILDREN TO TOTAL TEXTILE OPERATIVES BY INDUSTRIES-STATES AT THE FOURTEENTH CENSUS OF THE UNITED STATES-POPULATION - 1920

SOURCE - UNITED STATES BUREAU OF THE CENSUS

DISTRIBUTION OF CHILDREN IN TEXTILES

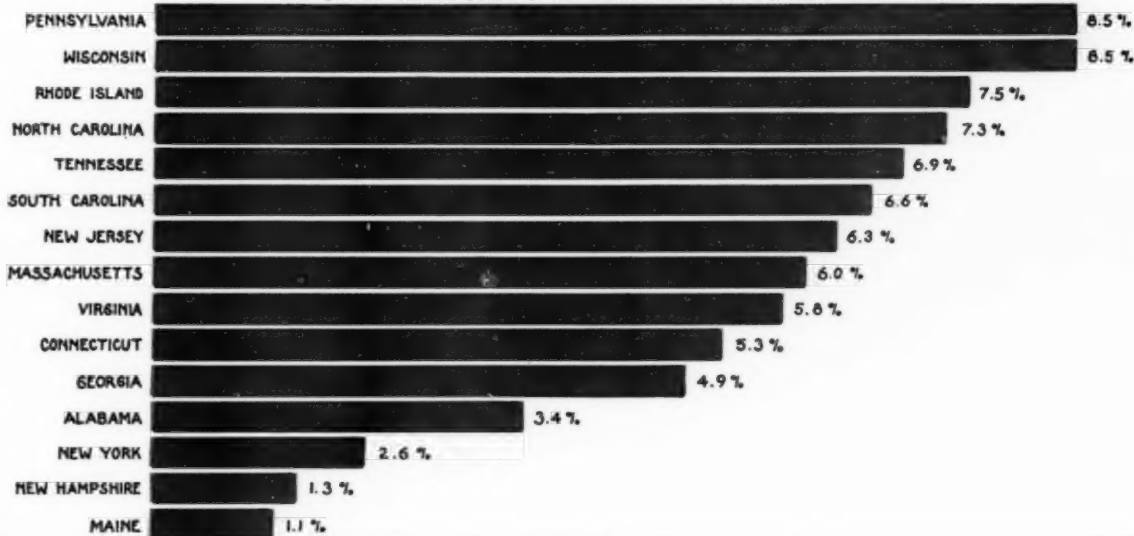


PROPORTION OF CHILDREN TO TOTAL TEXTILE OPERATIVES BY INDUSTRIES



PROPORTION OF CHILDREN TO TOTAL TEXTILE OPERATIVES BY 15 LEADING STATES

THESE STATES INCLUDE 92.2% OF ALL OPERATIVES AND 94.5% OF ALL CHILDREN IN TEXTILES



COMPILED FOR
NATIONAL ASSOCIATION OF MANUFACTURERS

Chart No. 5

Epitome of Chart No. 6

THE QUESTIONS

HOW does the proportion of children under 16 years of age who are gainfully employed compare in the 1920 census with previous census periods? In all occupations? In agriculture? In non-agricultural pursuits?

THE ANSWERS GIVEN IN THIS CHART

IN 1920 8.5 per cent of all children 10-15 years of age were gainfully employed. In 1910 there were 18.4 per cent. In 1900—18.2 per cent. In 1890—18.1 per cent. In 1880—16.8 per cent.

The proportion of total children in agricultural pursuits was 5.2 per cent in 1920 and 13.2 per cent in 1910. The proportion of total children in non-agricultural pursuits was 3.3 per cent in 1920 and 5.2 per cent in 1910.

OBSERVATIONS

THE proportion of children employed in non-agricultural pursuits has steadily declined. Thus we find that in 1900 there were 7.1 per cent of the 10-15-year-old children in non-agricultural occupations, 5.2 per cent in 1910 and 3.3 per cent in 1920. The proportion of those in each age group has also declined. For example, the percentage of all 10-13-year-old children employed in non-agricultural pursuits declined from 2.9 per cent in 1900 to 1.3 per cent in 1910 and 0.6 per cent in 1920. Of the children 15 years old 20.2 per cent were so employed in 1900, 17.4 per cent in 1910 and 13.9 per cent in 1920.

TREND OF CHILD LABOR

REPRESENTED BY

THE PROPORTION OF TOTAL CHILDREN 10-15 YEARS OF AGE IN GAINFUL OCCUPATIONS
AT THE FOURTEENTH CENSUS OF THE UNITED STATES-POPULATION - 1920

SOURCE-UNITED STATES BUREAU OF THE CENSUS

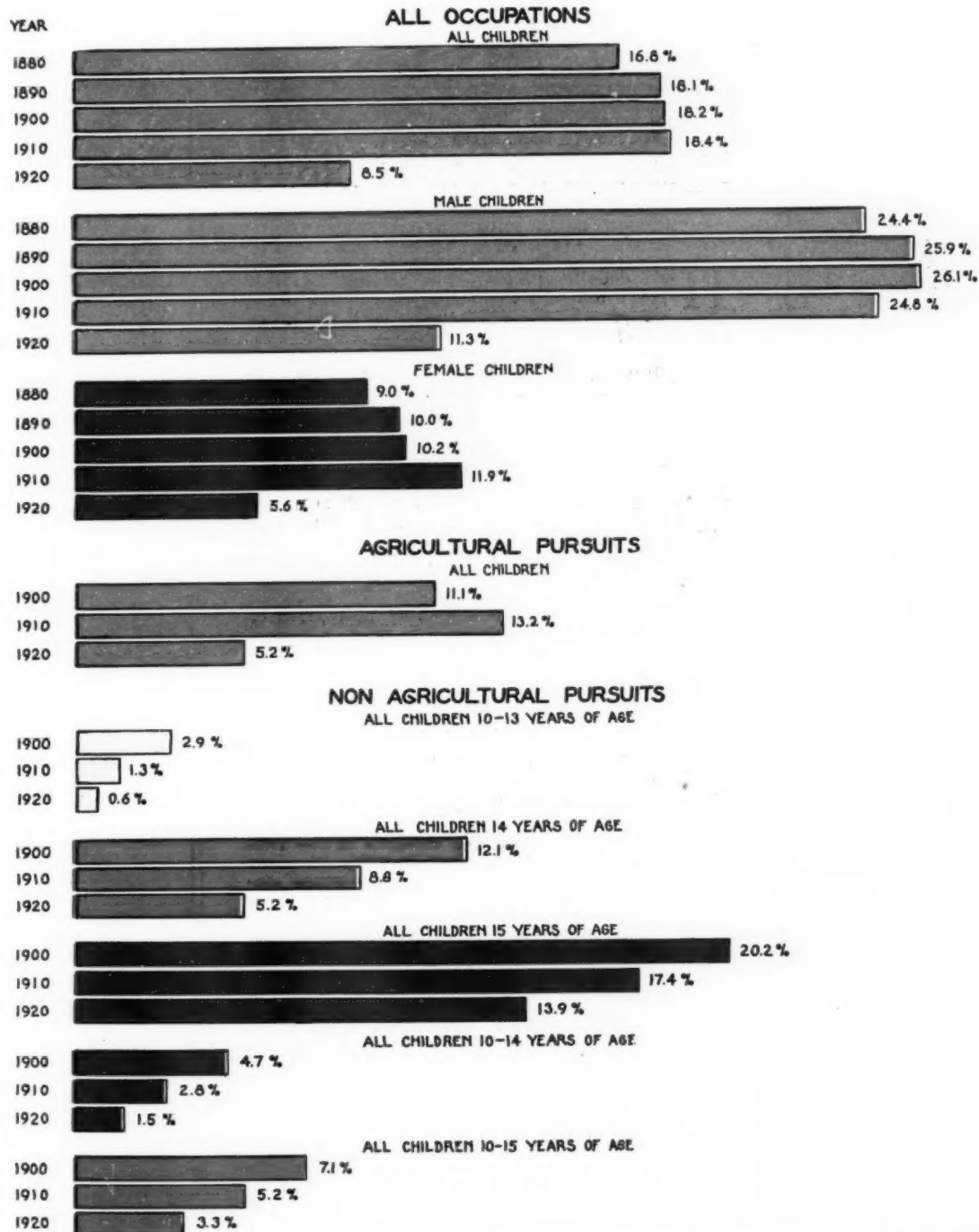
COMPILED FOR
NATIONAL ASSOCIATION OF MANUFACTURERS

Chart No. 6

Epitome of Chart No. 7

THE QUESTIONS

HOW does the proportion of all children 10-15 years old who are employed in each state, compare in the 1920 census with the previous census?

Is the proportion of employed children to all children in this age group increasing or decreasing in each state?

THE ANSWERS GIVEN IN THIS CHART

THE proportions are given for each state for both 1910 and 1920. Thus in 1910 we find that 53.4 per cent of all 10-15-year-old children in Mississippi were at work, as contrasted with 25.5 per cent in 1920.

In every state there was a smaller proportion of children of 10-15 at work in 1920 than in 1910—the only increase recorded is in the District of Columbia.

OBSERVATIONS

THE District of Columbia is under the control of Congress, yet it is the only section of the country in which the proportion of children employed increased between 1910 and 1920; 5.3 per cent of all 10-15-year-old children in the District of Columbia were at work in 1920; 25—over half—of the states had a smaller percentage employed.

In 1910 there were 24 states in which 10 per cent or more of the children of 10-15 were at work; in 1920 there were only 10 such states.

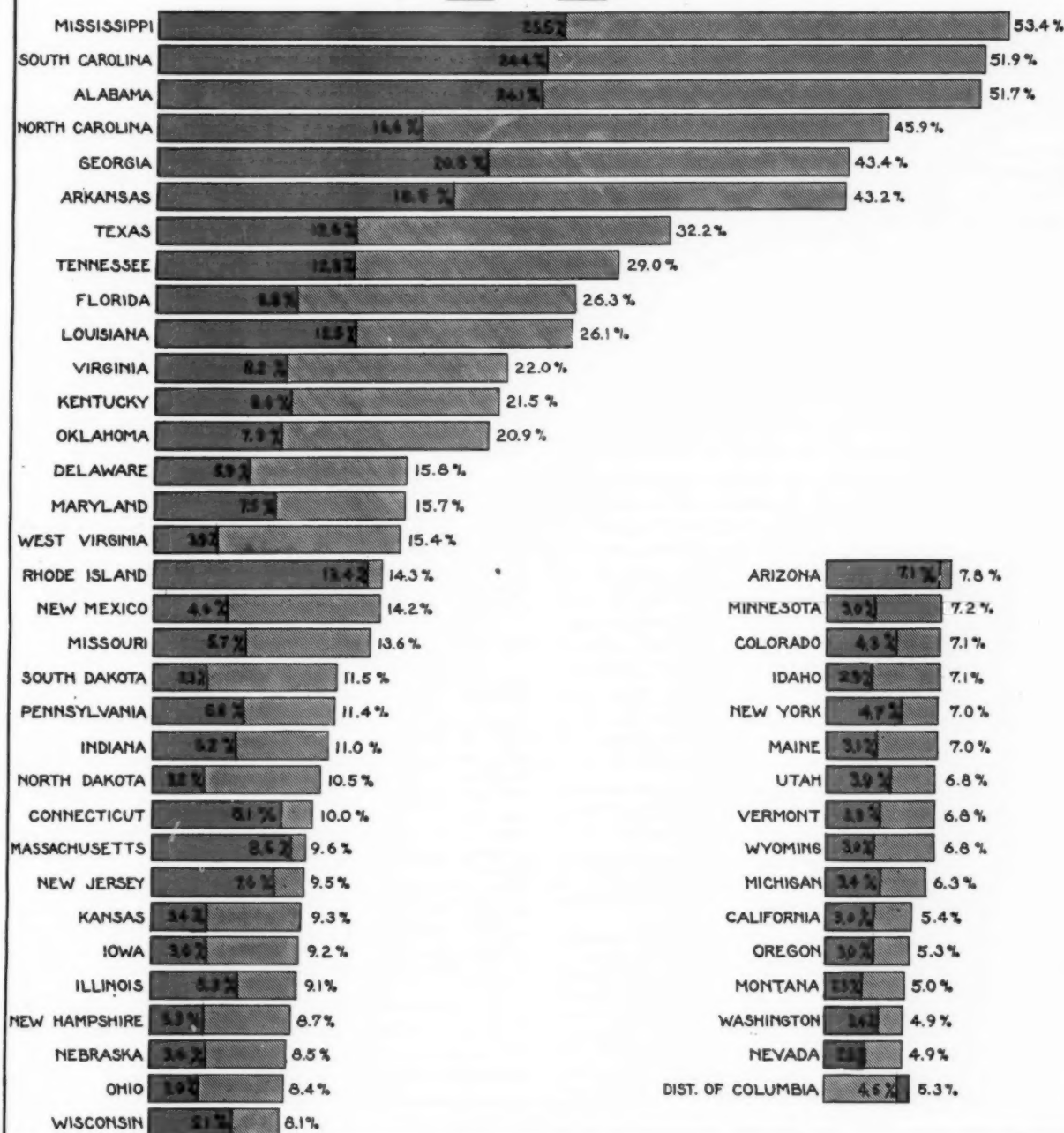
TREND OF CHILD LABOR BY STATES

BASED UPON THE PROPORTION OF TOTAL 10-15 YEAR OLD CHILDREN IN ALL OCCUPATIONS
AT THE FOURTEENTH CENSUS OF THE UNITED STATES-POPULATION-1920

SOURCE-UNITED STATES BUREAU OF THE CENSUS

ALL OCCUPATIONS

■ 1920 ■ 1910



COMPILED FOR
NATIONAL ASSOCIATION OF MANUFACTURERS

Chart No. 7

Facts About Child Labor—Richard H. Edmonds

Continued from page 1

of dollars in Massachusetts to defeat the Child Labor Amendment." A few days thereafter a Richmond business man invited these students to a dinner at his home. He asked them on what they had based their statements about the child-labor question and the National Association of Manufacturers. They told him that their professor, mentioning the name of a man radically socialistic in his teachings, had given them the information. His statements had just about as much truth in them as the one of the minister who claimed that 60,000 children of 14 years of age and under were working in the cotton mills of one state, or the statement made by the California woman about children 4 to 6 years of age in cotton mills.

The host said to these young men:

"President Edgerton of the National Association of Manufacturers is one of the great Christian laymen of the country. He was chairman of the committee in his denomination for raising the Centenary Fund a few years ago. He is an active Christian worker, and in his own factory in Tennessee has a chapel where all of his working people gather for prayer and praise service before beginning their day's work."

"Do you," said he, "believe that a man of that character would be responsible for spending millions of dollars, as you say, in bribing the voters of any state or in mis-

representing the actual facts?" They freely admitted that they could not believe it possible, and they added: "We have never heard facts of this kind before and we were depending wholly upon the statements made to us by Professor ———."

When it was announced by the last census that over 378,000 children under 14 years of age were employed in gainful occupations, socialistic agitators and many perfectly innocent, well-meaning people immediately jumped to the conclusion that all of them were employed in industrial pursuits. A study of the census reports would have shown that 328,958, or 87 per cent, were employed in agricultural pursuits. This number included the children, white and black, who worked for a few weeks or a few months in the gardens, cotton fields or on the farms of their parents.

In view of the misinformation which prevails as to child labor, the MANUFACTURERS RECORD has availed itself of the opportunity of presenting this matter in graphic form in the accompanying pages.

Employers generally realize that child labor is not profitable. They do not want it. Immature children are not capable of handling to advantage expensive and complicated machinery. Thousands of manufacturers have been active in encouraging the passing of restrictive legislation against child-labor employment and in the adoption of educational requirements, so that the children in the factory villages and in all other centers should be given adequate educational training.

What the Charts Reveal—Howell Cheney

Continued from page 1

The Librarian of the United States Department of Labor has compiled a list of references on the subject of Federal control of child labor. The list embraces approximately 450 references concerning the control of child labor by Federal law. From the same source there is a list of 150 references on the subject of "Children in Street Trades." If there is added to the above the record of state legislation, legislative debates, conferences and discussions, together with magazine and newspaper articles and editorials, we may have some idea of the enormous supply of information which has been or is still available to the public on the subject of child labor.

Why, then, should it be thought to be necessary to add to this already too extensive supply of information? The reason is twofold:

1. The census material is compiled and reported in a method required by scientific exactness that makes it practically impossible for the average man to assimilate and understand.

2. In the agitation preceding the votes by the various states on the Twentieth Amendment in regard to child labor there was an immense amount of propaganda and misinformation on the problem, because the agitation proceeded very largely from two points of view—that of a theoretical objection to child labor as being an evil in itself without regard to the circumstances of the individual's condition or occupation, and an exposition of the possibility of the employment of children in various industries and occupations, with little or no presentation of the facts as to the number employed in each and their number by states and occupations.

We submit herewith an attempt to present some of the most vital facts in regard to the employment and education of juniors, or of children between the ages of 13 and 15. These charts are further an effort to furnish the states that are now frankly charged with the respon-

sibility for progress in this field with a guide to those fields of information which are most vitally necessary for further progress in this problem.

These fields will be found to include at least the following, though a mastery of these will readily suggest others:

What proportion of all children between 10 and 15 years of age are employed in gainful occupations in the United States and in each state?

In what industries and occupations are they employed?

What proportion of all employees in each of the major industries represent children between 10 and 15 years of age?

In what states are the largest proportion of 10 to 15 year old children employed?

In what industries and occupations are the largest proportion of this age group employed?

What are the conditions in the textile industry in relation to the employment of children?

In what branches of the textile industry are the largest proportion of 10 to 15 year old children employed?

What states have the largest proportion of 10 to 15 year old textile operatives?

What changes of a fundamental character have been taking place in the employment of children in the 10 to 15 year age group during the last ten to twenty years?

The answer to these questions provides a basis that is essential to a proper understanding of the problem of the employment, as well as the education, of our junior workers. The charts here presented attempt to analyze the facts in such a concrete and objective way that they present their own conclusions and furnish a sound basis for further research and study. If each state is to make its own investigations and come to its own solution, it must at least know the conditions outside of its own borders as well as within, and must also see not only past conditions but present tendencies and the path to future progress.

Industrial Progress and Diversified Agriculture in Louisiana.

By C. H. KELLOGG, General Manager, Louisiana Development Association, Alexandria.

The traveler who visits Louisiana today, after an interval of a few years, cannot escape the feeling that some new force has been at work. The old Louisiana was conservative, somewhat reticent, inclined to be self-satisfied and rather intolerant of suggestion or criticism. Labor was plentiful and cheap. Credit was easy and the market for cotton and cane was sure. As a result there was not that pressing incentive for initiative that impels to the highest degree of progress.

Fertility of the soil, added to the long growing season and the abundant rainfall, assured maximum growth with the minimum of effort. Lacking the climatic extremes of more northern communities, farming was not attended with the element of uncertainty to the degree that marks the experience of the farmer in colder climates. This condition prevailed until the boll-weevil invasion of 1908-9. Cotton raisers then found that the principal source of their money supply had been cut off, and naturally began to look for a substitute. About this time, too, began the movement of the negro to the factory of the North, and planters were faced with necessity of planning their farm work so as to take into account their decreased labor supply.

In the last few years, with the exception of two or three that were marked by abnormally high sugar prices, the production of cane has been conducted at a loss on account of low yield and high labor cost. This was particularly true of the large plantation owners whose overhead was high. In the last two or three years the cane farmers have suffered almost a total loss of their crop due to the ravages of disease. The rice farmer faced a high production cost because his yield had been lowered.

For these and other reasons the Louisiana farmer found himself confronting a situation that demanded revision of his working plans. No more could he depend upon cheap labor for quantity production. Like the wheat farmer of the North, he faced the necessity of cutting down his acreage and intensifying his operation. How well he has succeeded is now a matter of history.

The strawberry district of Hammond now leads the world in production. It shipped \$6,000,000 worth of delicious fruit to the Northern markets this year, and plans are being made to plant much larger crops next year. From Terrebonne parish several carloads of wild dewberries were recently shipped to New York at a price of \$8.50 per crate.

In a number of parishes truck associations have been organized and are steadily growing. As I write hundreds of carloads of potatoes are being shipped at good prices. Go where you will over the state, you will hear the farmers talking of diversification. Less attention is being paid to cotton and cane and more to the growing of legumes and cover crops. A very encouraging fact is that our business men and farmers are learning to co-operate in an effort to solve their mutual problems. A number of parishes have a parish-wide chamber of commerce, whose membership is comprised largely of farmers. Our problems are not solved, but we have made a beginning, which in the next few years should bring results.

From the industrial standpoint we have made greater progress. We can no longer regard Louisiana as strictly an agricultural state. Within the memory of the writer one might travel across the state and find very few industrial plants except sawmills, cotton gins and sugar mills. With abundant raw materials at hand, we were content to send them away and to buy back the finished product. To a great

degree the same condition prevails today, but our industrial growth is gratifying when we consider that the five-year period of 1914-1918 showed an increase of manufactured articles of 165 per cent and that the output of our factories in 1919 was more than \$679,000,000.

George Long, president of the Louisiana Manufacturers Association, is authority for the statement that in the same period the number of manufacturing establishments within the state increased from 2211 to 2617. These plants had a combined capital of \$550,000,000, with a payroll of \$17,500,000, an increase of 132 per cent over 1914.

Those who have considered Louisiana as a strictly agricultural state will be surprised at the statement that it leads the South in the production and exportation of naval stores, that it is first in the production of sugar and molasses, that it leads the world in the manufacture of mahogany lumber, and the United States in Southern pine and cypress. Louisiana is first in the production of salt, and is a large producer of sulphur. At Bogalusa is located one of the largest sawmills in the world. This mill cuts 10,000,000 feet every 24 hours. To those who are not accustomed to thinking in terms of board feet, it might be plainer to state that to supply this mill 60 acres of timber are cut each day.

A bountiful supply of natural gas is proving so attractive that very frequently the announcement is made of the location of some new industry. A number of window-glass plants have recently located in the state, and negotiations are said to be under way with several potteries to whom the offer of cheap fuel is so attractive.

The fact that Louisiana has more miles of navigable waterway than any other state is an added inducement to the development of industry. New Orleans, the second, and Baton Rouge, the seventh port of the United States, are rapidly developing along industrial lines, while Lake Charles and Monroe are also attracting the attention of manufacturers by reason of their low water rates and cheap fuel.

That Louisiana will profit by the tendency of manufacturers to move Southward is sure, and we are putting our house in order to welcome the newcomers. The most noticeable change is in the attitude of its people. A native Louisianian said recently, "Formerly we said to the stranger, 'Who was your grandfather?' Now we say to him, 'What can you do?'" No longer intolerant of criticism, suggestions are not only welcomed, but invited.

Louisiana is not a paradise and does not seek to attract that class of citizens who are looking for the place where they will have nothing to do but sit under the palms and listen to the yodeling of a Venetian gondolier direct from Hoboken, N. J. Neither does it seek the real estate speculator and the real estate boom. On the contrary, we shall discourage as far as possible the boom which always leaves disaster in its wake. Rather do we say to the farmer, the manufacturer and the investor that we have here a community that offers an honest return for honest effort. If you are looking for a place to get rich quickly, go somewhere else. To average decent men we extend a hearty welcome.

Louisiana is awakening. Its people have the forward look. They have acquired a true appreciation of their state's possibilities. They see the progress that has been made by other states with fewer opportunities than theirs, and they are determined that their state shall not lag behind. Optimism, energy, faith, determination—these are the characteristics of the new Louisiana.

LABOR GOES INTO REAL ESTATE AND FINANCE.

Another Progressive Move Made by Leaders of Workingmen, Especially Building Trades Unions.

Announcement has been made in New York that the first step has been taken toward the acquisition of control of G. L. Miller & Co., one of the oldest and largest real estate investment houses in this country, by a combination of labor and banking interests. A statement issued at the general offices of the company, 30 East 42d street, New York city, says that negotiations have been completed whereby an initial group of labor bankers, labor union executives and business men will take immediate control of the organization, which has branches in 20 cities throughout the country. They propose to form a holding corporation to embrace its activities, which will be dominated and operated jointly by banking and labor executives, especially those representing the building trades unions.

G. L. Miller, founder and president of G. L. Miller & Co., will retire from active management and will be succeeded in the presidency by Luke J. Murphy, formerly executive vice-president of the Brotherhood of Locomotive Engineers Co-operative Trust Company of New York, who has severed that connection and who will actively represent the new group in the executive management of the Miller Company.

The new group which has taken over a controlling interest in the Miller Company consists of the following: Theodore M. Brandle, vice-president of the International Association of Bridge, Structural and Ornamental Ironworkers, president of the New Jersey State Building Trades Council, president of the Hudson County Building Trades Council, general organizer of the American Federation of Labor and president of the Labor National Bank of Jersey City; John J. Dowd, international vice-president of the International Brotherhood of Boilermakers, Iron Ship Builders and Helpers of America, chairman of the executive board of the Metropolitan District of Railroad Shop Crafts and director of the Union Labor Investment Corporation of Jersey City; Joseph F. Hurley, director of the Labor National Bank of Jersey City; S. W. Guttentag, vice-president of the Brotherhood of Locomotive Engineers Securities Corporation; Darrah A. Park, president of the New York Empire Company, Inc.; County Judge George W. Martin of Kings county, New York; John J. Cunnene, former assistant district attorney, New York city, and George W. Byard of the Fred F. French Company.

Besides these and President Murphy, the board of directors of the G. L. Miller Company under the new arrangement will consist of the following, who will remain in their present executive capacities: A. B. Weller, R. J. Francis, R. F. Schmitz of Philadelphia, W. P. Stanton, W. C. Wheeler, all vice-presidents; H. L. Morris, treasurer, and Paul T. Arnold of Atlanta, secretary.

President Murphy says that no changes in organization of personnel are contemplated, but plans are under way toward strengthening the financial resources of the company and extending and broadening its activities to include every leading city in the United States and Canada. Continuing, he said: "We have already interested a very important unit of the building trades in this new venture, and feel confident that we will have the support of organized labor generally. It is our aim to have associated with us representatives of every important element of organized labor in this country. Labor banks have been an absolute success and have rendered constructive service to union labor, and there can be no doubt as to the future of G. L. Miller & Co. under the new arrangement. We have every reason to expect the co-operation of

the building trades unions, as well as the wage-earners of the country, who are each year saving or investing from \$6,000,000 to \$7,000,000 of their earnings."

G. L. Miller & Co. was first established by G. L. Miller in 1909 in Miami, Fla., and has enjoyed a remarkable growth and expansion. Its business is that of specialist in the underwriting and selling of first mortgage bonds secured by improved real estate, such as office buildings, hotels, apartments and apartment hotels, located in the principal cities of the country. Besides its branch offices, it has nearly 500 agencies and banking connections.

Mr. Miller will leave shortly for Florida, where he will take a long rest, probably later in the summer going abroad. "It is not only my personal opinion, but also that of the new group," said he, "that they are in a position to make G. L. Miller & Co. the real leader in the real estate mortgage-bond field. Having accomplished what I consider to be the crowning achievement of my business career, I can now take the first real rest that has been my privilege since I started life as a farm boy."

Mr. Murphy, the new president, was born in Philadelphia in 1884. He began his banking career, when a boy, in the Farmers National Bank, Hudson, N. Y. Later he became associated with the National Bank of Commerce. In 1920 he was appointed a state bank examiner in New York, and in 1923 became executive vice-president of the Brotherhood Bank in New York city.

Further Increase in Ice-Cream Consumption.

This is a nation of ice-cream eaters, says the United States Department of Agriculture, which estimates that 322,729,000 gallons of ice cream were consumed last year. Consumption in 1910 was 95,450,000 gallons. By 1915 the figure reached 175,224,000 and by 1920 it had increased to 260,000,000 gallons.

Ice-cream consumption varies from year to year, influenced by weather conditions, but the long-time trend is distinctively upward, the department says. A wholesome product, convenient packages and ice-cream cones are given as reasons for the increased consumption.

Construction Progress on \$1,000,000 Hotel.

Augusta, Ga.—Construction is progressing on the new \$1,000,000 Forrest Hills-Ricker Hotel being erected here by the Forrest Hills Corporation, concrete having been poured to the second floor. The building will be 275 by 60 feet, 8 stories, of reinforced concrete and hollow tile, with stucco exterior, spread footings for foundation, cement floors and tar and gravel roof. Willis Irvin of Augusta and Pringle & Smith of Atlanta are the architects. Robert Lose is the engineer and the Foundation Company general contractors, both of Atlanta.

Building 132,000-Volt Power Line.

N. M. Argabrite, president of the American Gas and Electric Company, New York, wires the MANUFACTURERS RECORD that his company is building a 132,000-volt power line from Switchback, W. Va., to Kingsport, Tenn., tying the latter city into the Appalachian electric power system. The line, which is said to cover a distance of 65 miles, is being built by the company itself, with E. A. Turner of Roanoke, Va., in charge.

Sealed proposals will be received until July 22 by East Baton Rouge Parish School Board, W. H. Perkins, president, Baton Rouge, La., for the purchase of \$500,000 of serial bonds to bear a maximum interest rate of 5 per cent.

Dairy Opportunities Southward.

WHY THE SOUTHERN STATES MAY BECOME THE NEW "MILKY WAY."

By A. B. BRYAN, Clemson College, S. C.

Where shall a young man go to engage in dairying under the most favorable conditions? This is a question being asked eagerly by more than one college student who has specialized in dairy subjects, and also by many who have had practical training which they wish to put to use in a dairy business of their own.

Well, each section of the United States has its advantages and disadvantages for success with dairy cattle, but this writer believes that, all things considered, the prospective dairyman cannot be wrong in taking the advice, "Go South, young dairyman." For successful dairying the South has the low cost of good land, the mild climate making expensive buildings unnecessary, the long growing season for feed crops, the great variety of forage and grazing crops that may be grown, the rapid development of industries creating excellent local markets, the nearness to the bigger Eastern city markets, etc. These advantages and others are being now widely acknowledged, and there are those who believe that many dairying-minded young farmers from other sections will eventually trek Southward as a part of the great Southward migration now setting in. Certainly the South, which has been long under the shadow of the one-crop system of cotton farming, would welcome the coming of farmers who know dairy cattle and dairy production, and who would teach our own farmers what they have been too slow to learn—that prosperity follows the dairy cow.

Here and there Southern communities are already blessed with good dairy farmers from other sections, and the writer knows of no better way to tell briefly the appeal of the South to dairy farmers than through the following letter written by one college student to another, for it shows what others with opportunity to know think of the prospects. What the letter writer says of South Carolina is applicable to the South generally. It was written in answer to an inquiry from a student of the California College of Agri-

culture, who is casting about for opportunities in dairying. The writer, as is apparent, is not a Southerner and has had no chance to know other sections of America:

"Mr. John S. Taylor,

"Branch of College of Agriculture,

"Davis, Cal.

"Dear Sir:

"Having learned that you are interested in the future of dairying in South Carolina, I shall attempt to tell you about some of the advantages as I see them.

"I was born in North Dakota and I have lived five years in California. So you see that I can view the dairy situation from the standpoint of what I have seen in other states. My father moved to Clinton, S. C., in the summer of 1920. December 1, 1920, we rented a dairy farm just outside of the town. We then paid \$100 a month for 15 acres of rich land, with an up-to-date cow barn equipped for 20 cows, a milk house, two silos and a seven-room dwelling. We shipped 18 good grade Jersey cows in from Ohio. They had been tested for two years by a cow-testing association, so you see we secured good animals.

"Our trade consisted of 15 gallons daily retailed and 20 gallons wholesaled. At that time we received 20 cents a quart retail and 15 cents a quart wholesale. We have increased our trade to about 40 gallons retailed and 30 gallons wholesaled. We now receive 18 cents a quart retail and 15 cents a quart wholesale. I might say that my father had little capital to start with, but he has been able to send my sister and me through college.

"Last summer my father secured 100 acres of land two miles from the center of town. He built a cow barn to accommodate 50 cows, although at present he is milking only 35.

"I am finishing a four-year course in dairying this year at Clemson College. I intend to go into business with my father. As we see it, our little town of nearly 5000 people will easily warrant a dairy with 50 producing cows.

"We came South looking for a pleasant climate and plenty



CATTLE ON TWO-YEAR-OLD DALLIS GRASS AND CARPET GRASS IN SOUTH CAROLINA.

of opportunities. We feel that we have found them. The boll weevil has caused so much trouble that good, fertile, sandy loam soil, underlaid by a clay subsoil, can be bought for from \$50 to \$150 per acre within one mile of town, and on a highway that is now being paved. A little farther out, say three or four miles, any amount of land can be bought for from \$15 to \$50 per acre. This land needs organic matter, it is true, but this is a simple matter as we have found it. Winter cover crops, such as crimson clover, vetch, rye, oats and barley, can be sown after corn is harvested, and if plowed under in the spring they supply plenty of organic matter. Cowpeas, soybeans and velvet beans thrive in the summer and they may be sown in the corn rows, between the corn rows, or after the small grain is harvested. The land can grow, and will grow, two crops of most any of the forage crops in one year. It is easy to keep the land in crops the year around.

"The system we follow is to plant half the land in rye in September or October and the other half in oats and vetch. The rye is large enough to be grazed by December and the animals are allowed to graze an hour each day. The oats and vetch are ready to graze by March. These crops may be turned under in May and corn planted, or the oats and vetch may be cut for hay. About April we plant five acres to early corn and cat-tail millet. These crops will be cut for silage. In May we plant one-third of the farm to silage corn, one third to sorghum (also for silage), and the remainder to cowpeas or soybeans, to be cut for hay. The corn is ready for silage about August 15 to September 1. The sorghum may be cut in September or October. We have had no trouble in getting a 12-by-30-foot silo filled from six to ten acres. Hitherto we have rented about five acres of fine alfalfa and it has yielded from 12 to 15 tons of hay, but this year we shall plant about eight acres of our own.

"We like the climate for its mildness, although we do have some winter weather as cold as 20 degrees F., and occasionally a little lower. This weather is advantageous for the destruction of hibernating insects, but it lasts only a few days. The land is cheap and can be secured on easy payments. When treated right, it will produce large yields of innumerable crops. Negro labor can be secured cheaply because so many cotton farmers have decreased their acreage of cotton. There is a ready sale for milk in any form. Many small towns need good dairies and they will pay 20 cents or more a quart for milk. All the cities have creameries and they never get enough milk or cream.

"My father was born in Ohio and he has lived in North Dakota, Utah and California since, and he sincerely believes that South Carolina has them all beat on any phase of farming, and especially dairying.

"It has been a pleasure to me to be able to tell you how I feel about the future of dairying in South Carolina. If there is any phase of the situation that you would like to know more about, I shall take great pleasure in explaining it to the best of my ability.

"Very truly yours,

"R. D. STEER.

"Clemson College, February 12, 1926."

New Building for Birmingham Electric Company.

Plans are being prepared by Warren, Knight & Davis of Birmingham, Ala., for a new building to be erected in that city by the Birmingham Electric Company. Discussing details of the structure, the architects wire the MANUFACTURERS RECORD that it will be 150 by 125 feet, three stories and basement, of reinforced concrete, brick and stone construction, with cement floors and tar and gravel roof. It will be equipped with two freight elevators and telescopic partitions. Construction bids will be opened about August 1.

Low Freight Rates on Foreign Steel Via American Steamships.

A correspondent in New York writes to the MANUFACTURERS RECORD saying that products of German steel plants such as bars, hoops, bands, etc., are being imported in the United States via New Orleans, and that Belgian manufacturers are sending in a much larger proportion of such material, evidently because of lower quotations on their products; furthermore, that most of this foreign steel is being shipped here in United States Shipping Board vessels at low freight rates—only some 16 or 17 cents per 100 pounds—but the amount of such freight that these ships can take is limited.

Concerning this latter statement, F. G. Frieser, director of traffic of the Fleet Corporation, Washington, D. C., writes the MANUFACTURERS RECORD as follows: "We may say that our vessels have handled iron and steel commodities among other cargo on their westbound voyages in competition with foreign lines. The rates on these commodities are affected by this competition. You, no doubt, realize that successful steamship operation depends, in a large measure, upon the ability to secure full cargoes both outward and homeward."

Which practically admits the accuracy of the statement from New York concerning the very low freight rates from abroad.

Plans for \$1,000,000 Hotel at Hagerstown.

Hagerstown, Md.—Plans are being prepared by Clyde N. & Nelson Friz of Baltimore for the proposed Alexander Hotel here, which will represent an investment of more than \$1,000,000. The structure will be erected by the Alexander Hotel Corporation, Paul Heine, president, on a site at Washington and Potomac streets, which fronts 200 feet on the former, 58 feet on the latter and 54.8 feet on a public alley. It will be 10 stories and basement, fireproof, of reinforced concrete and steel, and will contain 170 guest rooms, of which 147 will be equipped with shower or bath. Of Italian architecture, the building will be faced on the exterior with brick and limestone.

Due to the difference of street grades, 10 stores will face on the Washington street level, together with a barber shop, billiard hall and storage facilities, while the hotel entrance, two stores, lobby, ladies' lounge, main dining room, coffee shop, kitchen, check room, news and cigar stand, telephone booths and other facilities will be located on the Potomac street side. The mezzanine floor will be devoted to a ballroom, private dining rooms, service room and nine guest rooms, four of which will be used as combination sample rooms.

School District Created and \$1,000,000 Voted.

Edinburg, Texas.—By a vote of 800 to 80 the largest school district in Texas has been created here and a bond issue of \$1,000,000 authorized to carry out a five-year building program. The district will be 51 miles long and 34 miles wide, with scholastic census of 3500 students. Plans for the proposed buildings are being prepared by Giesecke & Harris of Austin.

Contract for \$1,000,000 Hotel at Knoxville.

Knoxville, Tenn.—General contract has been awarded to Worsham Brothers of this city for the erection of the proposed \$1,000,000 Tennessee Terrace Hotel at East Hill avenue and South Gay street here. The building will be 17 stories high and will contain approximately 300 rooms. It is being promoted by the Dooley-Gillespie Company of Knoxville. Fringle & Smith of Atlanta are the architects.

THE IRON AND STEEL SITUATION

Impressive Record of Steel-Ingot Production in 18-Month Period.

Pittsburgh, July 12.—[Special.]—Production of steel ingots, the intermediate form in the production of all rolled steel, was 3,750,653 gross tons in June, representing 5 per cent decrease from the May rate and 13 per cent decrease from the March rate, the record high for all time. The decrease in the past three months is less than was expected and much less than in the past two years, which the trade had come to regard as setting a precedent. It is an idea of much longer standing that July and August are naturally months of light production, but from present appearances it is an even chance whether this month will show an increase or a decrease from June. It is certain that there will be no change of any importance.

The record of the past 18 months is impressive. Last year made a new calendar-year record in production, with 44,140,738 tons of ingots, and the first half of this year, with 24,260,537 tons, passed the first half of last year by 8 per cent. The average rate in the year and a half was 45,650,000 tons a year, equal to 82 per cent of estimated capacity. With June and July at 80 per cent, production may be taken as above the 18-month average if allowance be made for the "seasonal variation" in which the trade is rather a firm believer.

Production of coke pig-iron in June, as reported to the Iron Age, was 3,235,309 tons, or 6 per cent decrease from the top rate for nearly three years past, which was in last April. Production in the half-year, including an allowance for charcoal iron, was about 19,950,000 tons. Six other half-years fell less than 5 per cent below this tonnage and two exceeded it.

Thus pig-iron production does not show up as favorably as does steel production. The chief reason is that the other lines of consumption of pig-iron, apart from the making of steel ingots for rolling, have not been doing nearly as well as rolled steel. Production of iron castings has not increased much, if at all, in the past 15 to 20 years, production of steel castings has increased very little, and production of rolled iron has decreased to practically negligible proportions. Thus the showing made by steel is not altogether typical of the iron and steel industry regarded as a whole.

The various lines of steel consumption all present practically as favorable circumstances as for several months past, and in lines regarded as subject to seasonal decline at this time there is little change. Implement works, on account of greater diversification of output, run nearly as well in summer as at other times. The automobile trade is buying somewhat more steel than a month ago, being about to put some new models into production.

Oil and gas well drilling proceeds apace, with no decrease in buying of tubular goods. A large amount of line-pipe business is under negotiation. The natural-gas line from Texas to Kansas City and intermediate points involves about 475 miles of 20-inch, and will make the largest single order for line pipe ever placed, about 100,000 tons. The Calgary gas line of three years ago was considered remarkable, but took only about three-fourths as much tonnage. Pipe mills are operating at fully 90 per cent, their best rate this year, and the tonnage output is record high, for with increased capacity a 90 per cent operation means more tonnage than a 100 per cent operation two years and more ago.

Bars, shapes and plates are all stiffer in price than a month ago, shapes being definitely up \$2 a ton in the past fortnight. Sheets are decidedly steadier, though not quot-

ably higher. There is slowly increasing buying in sheets and a slight general advance is altogether probable.

The outlook for steel is entirely favorable, subject only to changes in the general state of trade. After 18 months of record high production there are no stocks and prices have not advanced, being, indeed, a shade lower than 18 months ago.

Pig-iron continues quite active in most markets, at close prices. The valley market is very quiet again.

Good Feeling at Birmingham Sustained by Steady Sales of Iron.

Birmingham, Ala., July 12.—A more contented feeling is noted every week in pig-iron circles in Alabama as sales, though in small lots now, are made and tonnage is added to the bookings for delivery during the third quarter of the year. Estimates as to the amount of iron sold so far for delivery during the three months beginning with July 1 range from 60 to 75 per cent of the probable make. The quotations are firm on a \$21 per ton base, No. 2 foundry. The larger consumers have not yet purchased for all of their requirements and are still holding off in the hope of concessions being made on the quotations. The make of pig-iron has been increased considerably by the resumption of operations of the No. 3 blast furnace of the Tennessee Coal, Iron and Railroad Company's Ensley group, an iron-maker of 500 tons daily capacity. The Tennessee Company has one of its Bessemer furnaces under relining and repairing. The Sloss-Sheffield Steel and Iron Company a little later will resume operation at its No. 4 blast furnace at North Birmingham, but will have to blow out its No. 3 furnace for relining and repairing. The Gulf States Steel Company will blow out its Alabama City blast furnace for repairing August 1. This furnace has a daily capacity of around 350 tons. The Gulf States will also shut down its open-hearth furnaces for repairing and relaxation for about two weeks. The finishing mills will continue in full operation, there being plenty of billets on the yards.

The melt of foundry pig-iron in this territory shows no decline, and it is therefore necessary that steady delivery of the product be watched by the furnace companies. This means indefinite activity. The cast-iron pressure-pipe manufacturers are said to be well supplied with orders for their product and the pipe make is steadily increasing as the new shops are being brought more into commission. J. R. McWane, executive of the McWane Cast Iron Pipe Company, has announced an innovation in pipe-making in that pipe is being cast horizontally instead of vertically. He is now on a trip abroad, on pleasure, but before starting on the trip delivered an address at a water-works convention on "Standard Lengths of Cast Iron Pipe Cast Horizontally." The new centrifugal pipe shop of the American Cast Iron Pipe Company, known to the trade as Mono-Cast pipe, is now filling orders. The United States Cast Iron Pipe and Foundry Company will ship this month down the Warrior River barge line, and thence by water from Mobile, 3000 tons cast-iron pipe, some for export and other tonnage for the extreme western coast. This company brought in during the past week 2000 tons of pig-iron from England, iron purchased several months ago.

The Connors Steel Company, making hoops, bands and cotton ties, operating on full time and to capacity, has been shipping cotton ties in quantity in the past few weeks. The Tennessee Coal, Iron and Railroad Company will also be in the market with ties, the indications pointing to a very

heavy demand for ties this season. The Connors Company is bringing in 2000 tons more of French steel billets, making upwards of 12,000 tons of this product purchased in the last seven months, the billets being brought practically as ballast to Mobile and then up the Warrior River.

Development of the Warrior River barge service brings about a development of the iron and steel trade, possibilities in the Southwest being very prominent. The Tennessee Coal, Iron and Railroad Company is moving over 11,000 tons of steel rail down the river this month, for export to Japan, and considerable reinforced concrete bars and other shapes of steel are being moved to Texas point via water route. All but four of the 24 steel barges ordered some months ago for the Warrior River barge line are now in service.

The coal-mining industry is showing steadiness, time of year considered, the coal output in the state being more than 350,000 tons weekly. Beginning August 1, it is estimated production will be at least 375,000 and by September 1 up to near 390,000 and 400,000 tons weekly. The coke industry also shows steadiness, with all by-product coke works in the district in operation. The quotations for coke continue from \$5.50 to \$6.00 on foundry coke.

Scrap iron and steel shows a little improvement again, a few sales being made for delivery during the third quarter. Heavy melting steel is commanding a little better price, now at \$13 per ton. No. 1 cast is still the more prominent of the old material in activity. Quotations have changed but little in the past several weeks.

Strong demand is being reported for blast-furnace slag, which is being used as paving and concrete material. A few years ago this was considered waste.

PIG-IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$21.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$21.50; iron of 2.75 to 3.25 per cent silicon, \$22.00; iron of 3.25 to 3.75 per cent silicon, \$22.50; iron of 3.75 to 4.25 per cent silicon, \$23.00; charcoal iron, f. o. b. furnaces, \$30.00.

OLD MATERIAL.

Old steel axles	\$17.00 to \$18.00
Old iron axles	17.00 to 18.00
Old steel rails	13.00 to 14.00
Heavy melting steel	13.00 to 14.00
No. 1 cast	16.50 to 17.00
Stove plate	14.00 to 14.50
No. 1 railroad wrought	12.00 to 13.00
Old car wheels	16.00 to 16.50
Old tramcar wheels	16.00 to 17.00
Machine shop turnings	8.00 to 8.50
Cast-iron borings	8.00 to 8.50
Cast-iron borings (chem.)	15.50 to 16.50

Report on Steel Ingots.

Following is the monthly production of steel ingots from January, 1925, to June, 1926, as reported to the American Iron and Steel Institute by companies which made 94.50 per cent of the steel ingot production in 1925:

Months 1925	Open-hearth	Bessemer	All other	Monthly production companies reporting	Calculated monthly production all companies	Number of working days	Approximate daily production all companies Gross tons
Jan.	3,263,256	689,906	11,960	3,965,212	4,193,281	27	155,307
Feb.	2,933,225	602,042	12,998	3,548,265	3,752,352	24	156,348
March ..	3,337,721	614,860	13,633	3,966,214	4,194,340	26	161,321
April ...	2,858,866	513,715	14,182	3,386,763	3,583,676	26	137,834
May	2,755,561	497,708	13,790	3,267,059	3,454,971	26	132,883
June	2,540,729	476,945	12,490	3,030,164	3,204,451	26	123,248
6 mos. .	17,689,358	3,397,266	79,053	21,165,677	22,383,071	155	144,407
July	2,446,068	457,095	13,547	2,916,710	3,084,472	26	118,634
Aug.	2,608,285	523,734	12,914	3,234,933	3,420,968	26	131,577
Sept.	2,738,673	547,121	13,977	3,299,771	3,489,565	26	134,214
Oct.	3,077,114	584,567	15,624	3,677,305	3,888,514	27	144,030
Nov.	3,062,194	581,347	17,085	3,660,626	3,902,900	25	156,116
Dec.	3,169,796	569,304	15,843	3,754,943	3,970,918	26	152,728
Total...	34,911,488	6,660,434	168,043	41,739,965	44,140,738	311	141,932
1926							
Jan.	3,326,846	581,683	13,664	3,922,193	4,150,469	26	159,633
Feb.	3,023,829	556,031	12,818	3,592,678	3,801,776	24	158,407
March ...	3,590,791	635,680	15,031	4,241,502	4,488,362	27	166,236
April ...	3,282,435	601,037	13,652	3,897,124	4,123,941	26	158,613
May	3,201,230	516,676	10,437	3,728,343	3,945,336	26	151,744
June	3,036,162	498,764	9,441	3,544,367	3,750,653	26	144,256
6 mos. .	19,461,293	3,389,871	75,043	22,926,207	24,290,537	155	156,520

RAILROADS

Pennsylvania Railroad Orders \$1,500,000 Work to Begin Near Norfolk.

The Pennsylvania Railroad Company has authorized the beginning of construction immediately on its proposed extensive terminals at Little Creek, Va., near Norfolk, the plans for which were announced two years ago. About \$1,500,000 will be expended now, according to a report from Norfolk, following a meeting there between the city officials and vice-presidents Elisha Lee, Julien L. Eysmans and Thomas W. Hulme, representing the railroad, who after saying that the directors of the company had authorized construction, made the statement that the railroad intends to absorb the wharfage charge on grain assessed by the city at the municipal elevator. This arrangement, they further stated, would place the port of Norfolk elevator on an equal plane with elevators at other North Atlantic ports.

As soon as construction has sufficiently advanced the railroad will gradually transfer its freight-car ferry movement across the Chesapeake Bay from the present terminal at Port Norfolk to the new terminal at Little Creek, which is expected to be finished next year. By this change from Port Norfolk to Little Creek the water haul across the bay will be reduced from its present distance of 36 miles to about 25 miles. This will decrease the amount of towing and, therefore, increase the effectiveness of the company's floating equipment, besides removing from the crowded Elizabeth River tows of freight barges and floats.

Briefly, the purpose of the Little Creek improvement is to enable the Pennsylvania to handle as economically and efficiently as possible its traffic to and from the South via the Norfolk gateway. A deep-water artificial harbor will be built with an artificial channel to the bay; also suitable yard and terminal tracks for handling cars to and from floats and barges. Entrance to Norfolk from Little Creek will be obtained largely by trackage rights over railroads already serving that city, with the construction of necessary connections.

There will also be, according to previous announcement of plans, improvements made to existing freight houses or else other changes to enhance their facilities. Ultimately it is expected a total of over \$3,000,000 will be expended.

Bonds for \$100,000 to Aid Railroad.

At an election on July 6, it is reported, Chesterfield county, South Carolina, voted to issue \$100,000 of bonds to aid in the construction of a railroad to connect McBee, S. C., with Monroe, N. C., both of which points are on the Seaboard Air Line Railway. Already there is a railroad (the Charlotte, Monroe and Columbia Railway) from McBee northwest to Jefferson, S. C., 18 miles, and about 25 miles more would have to be built from Jefferson to Monroe. The Seaboard Air line already has the Charlotte, Monroe and Columbia road, and it is provided that the bonds are not to be issued until the line is completed to Monroe, where it will again connect with the Seaboard system. It is anticipated that Union county, North Carolina, will take similar action so that the proposed extension may be constructed soon.

Contract for \$80,000 Freight Track.

A contract is reported awarded by the Pennsylvania Railroad Company to the T. J. Foley Company of Pittsburgh, Pa., for the grading and construction of an eastbound freight track at Holliday's Cove, W. Va., at an estimated cost of \$80,000.

Earnings of Railroads Now Showing Pronounced Improvement Over Same Period Last Year.

Class 1 railroads in the first five months of 1926 had a net railway operating income amounting to \$387,546,634, which was at the annual rate of return of 4.80 per cent on their property investment. During the corresponding period last year their net railway operating income amounted to \$347,266,199, or 4.41 per cent. Gross operating revenues amounted to \$2,488,667,627, as compared with \$2,389,455,560 during the corresponding period last year, or an increase of 4.2 per cent, and operating expenses totaled \$1,909,630,615, as compared with \$1,863,752,742 during the corresponding period last year, or an increase of 2.5 per cent.

Class 1 railroads in the Southern District during the first five months this year had a net railway operating income of \$67,105,417, which was at the annual rate of return of 5.58 per cent on their property investment. For the same period last year the net railway operating income amounted to \$64,128,249, also at the annual rate of return of 5.58 per cent. Gross operating revenues of the Class 1 railroads in the Southern District totaled \$369,484,464, an increase of 8.5 per cent over the same period of last year, while operating expenses totaled \$272,339,015, an increase of 8.2 per cent. The net railway operating income of the Class 1 railroads in the Southern district in May amounted to \$11,296,812, while in the same month last year it was \$10,943,569.

During the first five months of this year the net railway operating income of Class 1 railroads in the Eastern district was at the annual rate of return of 5.68 per cent on their property investment; in the same period last year it was only 5.18 per cent. The roads in the Western district are also picking up, their net railway operating income for the same period being at the annual rate of return of 3.53 per cent, as compared with 3.12 per cent for the same period last year.

For May alone all of the Class 1 railroads had a net railway operating income of \$88,120,501, which was at the annual rate of return of 4.97 per cent on their property investment, according to reports filed by the carriers with the Bureau of Railway Economics. In May last year their net railway operating income was \$76,170,623, or 4.39 per cent, on their property investment.

A Fine Booklet About Louisville.

The Kentucky and Indiana Terminal Railroad Company, Louisville, Ky., has published a booklet about Louisville and the railroad, which is the terminal of three trunk lines, the Baltimore and Ohio Railroad, the Chicago, Indianapolis and Louisville Railway, or Monon Route, and the Southern Railway. Louisville is now one of the leading manufacturing centers, with 812 factories producing more than 10,000 kinds of articles. Its increase in population was about 30 per cent in the last five years, and in 1925 building improvements, it is noted, broke all records with a total of 5752 permits issued for buildings to cost altogether very nearly \$30,000,000. The booklet abounds in valuable facts.

Contract for New Line in Texas.

Contract has been let by the Chicago, Rock Island and Pacific Railway Company to Walter S. Denison of Cushman, Okla., for grading 45 miles of line from Amarillo, Texas, to the South Canadian River, this being the first section of the new railroad which the system proposes to build from Amarillo to Liberal, Kan., via the Hutchinson county, Texas, oil fields. The estimated cost of this contract is about \$400,000. The track will be laid by the railroad company.

More Than 25,000,000 Cars Loaded in First Half of 1926.

Freight traffic, measured by the number of cars loaded with revenue freight, was the greatest in the first six months this year ever handled by the railroads during any corresponding period, according to reports filed by the carriers with the Car Service Division of the American Railway Association.

Revenue freight loaded during that period—that is, from January 1 to June 26, inclusive, a total of 26 weeks—amounted to 25,036,464 cars. This was an increase of 707,974 cars, or 2.9 per cent, over the corresponding period last year, and an increase of 1,851,312 cars, or 8 per cent, over the corresponding period in 1924. It also was an increase of 1,030,962 cars, or 4.3 per cent, compared with the corresponding period in 1923, as well as a substantial increase over the corresponding periods in 1920, 1921 and 1922.

For the sixth week this year loading of revenue freight during the week ended June 26 exceeded the million mark, amounting to 1,062,252 cars. This was an increase of 18,532 cars over the week before and an increase of 69,079 cars over the corresponding week last year. Compared with the corresponding week in 1924 it also was an increase of 154,001 cars.

The increase in the loading of revenue freight that took place during the week of June 26 compared with the preceding week was due principally to increased shipments of miscellaneous freight, coal and grain, although coke and ore also showed increases. Decreases under the week before were reported, however, in the loading of merchandise and less than carload lot freight, forest products and livestock.

A Florida Short Line That the Seaboard Air Line May Buy.

Jacksonville, July 8—[Special.]—The Tampa and Jacksonville Railway will be sold at auction at Gainesville, Fla., on August 2 under a decree of foreclosure rendered June 21, the complainant being the Guaranty Trust Company of New York, trustee for the bondholders. The Florida State Chamber of Commerce says that if plans do not go awry the Seaboard Air Line will come into possession of the road, an extension or two will be built and one of the richest sections of central Florida will be provided with a trunk line.

The Tampa and Jacksonville Railway, 56 miles long, operates from Sampson City, where it connects with the Southern Railway system, through Gainesville, where it connects with the Seaboard Air Line, and Micanopy to Emathla, a few miles northwest of Ocala. Connection with the Atlantic Coast Line is made at Micanopy. Tentative plans for its rehabilitation involve an extension from Emathla to Ocala and another one from Emathla to some point on the Seaboard's main line between Archer and Tampa. These connections would give the Seaboard a third line between Ocala and Starke, and the road would be of value in the event either the Ocala-Starke or the Dunnellon-Starke line became blocked. Between Gainesville and Emathla the Tampa and Jacksonville Railway now serves one of the richest trucking sections of Florida, all vegetable shipments from Rocky Point, Irvine, Fairfield, Fort Drane and other centers moving over it.

It is understood that when the road is sold the Guaranty Trust Company will buy it in, arrangements having already been made for its disposal to the Seaboard Air Line.

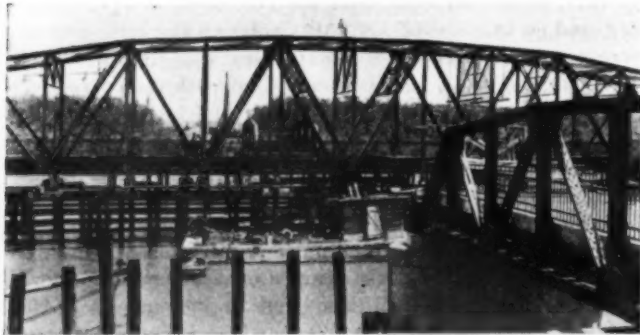
Georgia and Florida Railway, which has ordered 500 box cars of 40 tons capacity from the American Car and Foundry Company, is also reported about to purchase 25 gondola cars of 50 tons capacity.

GOOD ROADS AND STREETS

\$1,200,000 Escambia Bay Bridge Completed.

By WINSTON E. WHEAT, County Engineer, Pensacola, Fla.

On July 8 there was removed the last great obstruction to traffic on the "Old Spanish Trail" in Florida. On that date the 3.2-mile bridge and causeway across the headwaters of Escambia Bay, the delta of Escambia River, 10 miles east of Pensacola, Fla., was opened to traffic with



CLOSE UP OF PRINCIPAL SPAN UNDER CONSTRUCTION.

suitable ceremonies, presided over by Governor John W. Martin of Florida. Officials of nearby states participated.

This structure consists of a series of steel spans, creosoted timber trestles and earth fills. The fills, 30 feet in minimum width at the top, with 2:1 side slopes, are approximately 14 feet above the level of the marshes, which are about at sea level. The material for the fill was brought in from a borrow pit located in the highlands adjacent to the bridge site, standard-gauge railroad equipment being used for this purpose. The contractor for the fill and trestle was the Hardaway Construction Company of Columbus, Ga. Approximately 409,100 cubic yards of earthwork was placed. E. W. Parker of Tampa, Fla., was sub-contractor on the earthwork.

The Atlantic Bridge Company was contractor for the erection of the steel spans and immediate approaches. The steel structures totaled 700 feet in length. The draw span, of the center-pier swing type, is 200 feet long, giving two 80-foot clear openings for navigation; 701,325 pounds was the total weight of structural steel and castings; 901 cubic yards of "Seal" concrete and 1259 cubic yards of Class "A"

concrete, with 23,338 pounds reinforcing steel, constitute the quantities in the piers and in concrete floors on the steel fixed spans, and 17,085 linear feet of foundation piling was driven.

A total of 29,765 linear feet of creosoted timber piling with 246,542 feet of treated timber was used in the timber trestles, bulkheads, fenders, etc.

All bridges provide a 20-foot roadway, and 1½ inches compressed thickness of Kentucky rock asphalt was placed on all of the bridge floors.

The earth fill carries a 20-foot roadway of sand-clay and two 5-foot strips of sod. Steel wire link guard rail is placed on the shoulders for the full length of the fill, which constitutes 2.3-miles of the 3.2-miles total length of the project.

J. L. Cresap is State Highway Engineer of Florida, and George L. Derrick, State Bridge Engineer, with R. L. Bannerman, Division Engineer, and S. G. French, Project Engineer, in local charge of the work. H. J. Morrison and Chas. D. Snead were in charge for the United States Bureau of Public Roads.

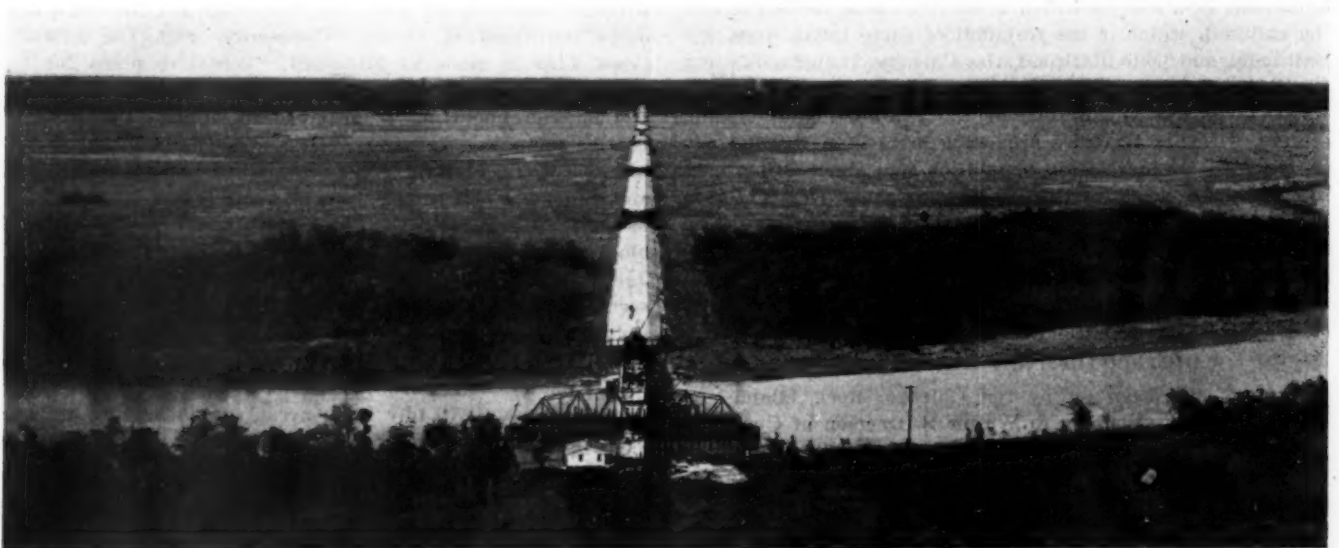
The total cost of the structure, with approaches, is about \$1,200,000, according to Mr. Bannerman. This estimate includes engineering, overhead costs and incidentals. About \$50,000 was contributed by each of the two adjacent counties, Escambia and Santa Rosa. The balance was met by the state and the Federal Government.

Texas Invites Road Bids.

Madisonville, Texas.—Sealed bids will be received until July 27 by the State Highway Engineer, Austin, for grading and building bridges on 12.562 miles of state highway No. 21 in Madison county. Detailed plans and specifications may be obtained from the office of S. J. Granberry, county engineer, Madisonville, and from the State Highway Department, Austin.

Georgia Asks Bids on 44 Miles Paving.

W. R. Neel, state highway engineer, East Point, Ga., wires the MANUFACTURERS RECORD that the Georgia Highway Department will receive bids until July 20 on 44 miles of paving alternate types of concrete and asphalt, located on the coastal highway between Savannah and Brunswick. Information regarding the work may be obtained from Mr. Neel.



VIEW OF NEW ESCAMBIA BAY BRIDGE FROM THE AIR.

Kentucky to Expend \$15,000,000 in Two Years.

Frankfort, Ky.—Beginning its fiscal year on July 1 with a practically clean slate, the Kentucky Highway Commission plans to expend approximately \$15,000,000 in the next two years. This is exclusive of Federal and county expenditures to be made during the same period. A construction program outlined by the commission for the next fiscal year calls for an expenditure of \$6,276,000 and for the following year of \$8,666,000. By virtue of a raise in the gasoline tax from three to five cents, the commission is pledged to close all gaps in main highways during the next two years, and among these is one of 14 miles in Christian and Todd counties, already under contract, and one of 6 miles in Hopkins county, for which contract has also been awarded.

The commission has planned extensive work on the Jefferson Davis highway in Todd and Logan counties, the latter having voted a bond issue of \$500,000, while Todd county will vote on a bond issue on August 7. Contract will be awarded July 26 for 16 miles of gravel road in Union county and for 13 miles of similar road planned in Crittenden county. A contract has been awarded for 9 miles of gravel road in Livingston county, and it is expected that an award will soon be made for 10 miles of grading and drainage in Caldwell county. A road will soon be completed in McLean county, and there has already been graded a section in Ohio county from Pleasant Ridge to Cromwell, this to be extended next year from Cromwell to Morgantown in Butler county.

Grading will soon be completed on a road from Island to Livia, and a contract has been awarded for grading and drainage from Brown's Valley to Livia in Daviess county. Muhlenberg county will vote August 7 on a bond issue of \$500,000 to meet the state highway's proposition of three dollars for one on road construction. An important road contemplated in this county will extend from Central City to Drakesboro and other coal-mining towns to Dunsmore. Still another in Muhlenberg and Hopkins counties will extend from Graham to White Plains, a distance of six miles. Grading and drainage of a road from St. Joseph in Daviess county to Beech Grove in McLean county is expected to be completed by September 1, and surfacing of 20 miles of the Ohio River route in Breckenridge and Meade counties is proceeding satisfactorily. Contract has been awarded for 5.5 miles of the Ohio River road in Daviess county west of Maceo, and work is expected to begin soon. Iron bridges will be built over Blackford and Pup creeks.

Work is rapidly progressing on grading and drainage of the Ohio River route from Owensboro west to the M. & O. coal mines and concrete surfacing is expected to begin by July 15. Contract has been awarded for grading and drainage on an extension of this road to Stanley, a distance of four miles. Contract has also been awarded for two miles of road from Whitesville to the Ohio county line. Ohio county will grade and drain this road to Fordsville, while another road from Fordsville to Hartford is contemplated.

Maryland Oils 342 Miles of Road.

It is announced that the Maryland State Roads Commission has completed its schedule for oiling roads this year, having treated 342 miles at a cost of approximately \$240,000. A total of 725,000 gallons of oil was used. Seventy-seven miles of gravel roads were oiled in southern Maryland; it has been demonstrated that oil improves the wearing qualities as well as lays dust on gravel.

Street-paving bonds in the amount of \$224,000 have been sold by the city of Huntsville, Ala., to Caldwell & Co., Nashville, Tenn., at 101 and accrued interest, the bonds to mature in 1936, and to bear an interest rate of 6 per cent.

Missouri Road Work to Cost \$2,000,000.

Jefferson City, Mo.—Bids have been received by the Missouri State Highway Commission for the construction of more than 123 miles of roads in 17 counties to cost approximately \$2,000,000. The proposed work will include 62.5 miles of gravel surfacing, 38.8 miles of grading, 6.6 miles of concrete paving and 16 miles of grubbing and clearing. Materials will be supplied contractors by the commission.

Bids Desired on 12 Miles.

Rocky Mount, N. C.—Proposals will be received until July 24 by the Rocky Mount Road District Board of Commissioners, P. C. Shore, chairman, for the construction of a hard-surfaced road from Rocky Mount for a distance of 12.1 miles in the direction of Pinetops, N. C. Bids will be considered on a unit price basis or on a percentage basis as outlined in the proposal, copies of which may be obtained upon application to Mr. Shore. Plans may be seen at the engineer's office at Rocky Mount.

Osceola County Asks Bids on \$2,000,000 Bonds.

Kissimmee, Fla.—Bids will be received until July 26 by the Board of Commissioners of Osceola County for the purchase of \$2,000,000 of gold bonds for road construction. The bonds will be dated May 1, 1926, and will bear an interest rate of 6 per cent. Among important roads to be built are the following: From Kissimmee to Lake Wilson Settlement, 10 miles; between St. Cloud and Kissimmee, 10 miles; road leading from Narcoossee, 5 miles; one from the northern end of the county along the eastern part to the southern end, and other new roads, as well as reconstruction of existing highways.

Expansion of Kentucky Rock Asphalt Company.

As a part of its present financing program, the Kentucky Rock Asphalt Company, Louisville, has recently sold to a banking syndicate headed by Caldwell & Co. of Nashville, Tenn., an issue of \$1,500,000 first mortgage 6½ per cent ten-year sinking fund gold bonds. Caldwell & Co. make the following statement:

"The Kentucky Rock Asphalt Company, by far the largest producer of natural rock asphalt for paving purposes in this country, has announced an extensive program of expansion. It will increase its crushing plant from an annual capacity of 250,000 to 350,000 tons. The company's product, sold under the trade name of "Kyrock," is widely used in surfacing streets, highways, bridges, railroad-station platforms, factory floors, etc. It has been approved as a standard road-surfacing material by the Federal Highway Commission and by state, county or city authorities in 31 states.

"The company owns in fee or has mineral rights on extensive deposits of natural rock asphalt on approximately 40,000 acres of land in and around Edmonson county, Kentucky, and owns a modern crushing plant where natural rock asphalt is reduced to a state ready for use without further treatment. Kyrock-surfaced roads are unusually durable, due to weather-resisting properties of Kyrock, which is composed of silica, one of the hardest and most insoluble of minerals, thoroughly coated with natural waterproof asphalt, which serves as a binder for the silica particles.

"In addition to being used extensively as a wearing surface on all types of street and highway construction and for resurfacing old streets and highways, at a nominal cost, Kyrock is widely used for patching surfaces constructed of other materials, for paving bridge floors, grade crossings of railroads, station and loading platforms, for walks and roadways, and tennis courts."

LUMBER AND BUILDING MATERIALS

No Great Change in Lumber Situation.

Washington, July 8.—On account of the July Fourth holiday, reports to the National Lumber Manufacturers Association were incomplete for the week ending July 3, being received from only 354 softwood and 101 hardwood mills. Data from 339 comparably reporting softwood mills apparently show that there was little relative change in total production, shipments and new business when compared with reports from 393 mills for the week earlier. In comparison with reports for the same period last year when 44 more mills reported, there was nevertheless an absolute increase in new business. The hardwood operations show decreases in all three items when compared with reports for the previous week when 49 more mills reported, which, again, is no doubt chargeable to incomplete returns due to the holiday shutdown.

Reports were not received from the Southern Pine Association in time for publication. For the 102 West Coast mills the unfilled orders were 410,064,362 feet, as against 431,424,824 feet for 106 mills a week earlier.

Altogether the 339 comparably reporting softwood mills had shipments 105 per cent and orders 103 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 110 and 95, and for the West Coast mills 108 and 113.

Of the reporting mills the 319, with an established normal production for the week of 214,740,564 feet, gave actual production 98 per cent, shipments 103 per cent and orders 102 per cent thereof.

The following table compares the national softwood lumber movement, as reflected by the reporting mills of eight regional associations, for the three weeks indicated:

	Past week	Corresponding week, 1925	Preceding week 1926 (revised)
Mills	339	383	393
Production	227,702,736	256,049,940	282,613,237
Shipments	237,959,705	250,358,104	277,915,603
Orders	234,202,386	232,234,211	276,579,727

The following revised figures compare the softwood lumber movement of the same eight regional associations for the first 26 weeks of 1926 with the same period of 1925:

	Production	Shipments	Orders
1926	6,891,855,179	7,044,698,799	7,010,906,651
1925	6,615,472,057	6,652,498,215	6,438,348,460

The Southern Cypress Manufacturers Association of New Orleans for the week ended June 30 reported from 15 mills a production of 5,681,885 feet, shipments 3,820,000 and orders 3,440,000. In comparison with reports for the previous week, when one more mill reported, this association shows considerable decrease in production and nominal decreases in shipments and new business.

The North Carolina Pine Association of Norfolk, Va., with six fewer mills reporting, shows marked decreases in all three factors.

The Northern Pine Manufacturers Association of Minneapolis, Minn., reports some decrease in production and shipments and new business about the same as that reported for the previous week.

The Northern Hemlock and Hardwood Manufacturers Association of Oshkosh, Wis. (in its softwood production), with three fewer mills reporting, shows nominal decreases in production and shipments and considerable decrease in new business.

The hardwood mills of the Northern Hemlock and Hardwood Manufacturers Association reported from 16 mills production as 3,117,000 feet, shipments 3,401,000 and orders 3,207,000.

The Hardwood Manufacturers Institute of Memphis, Tenn.

reported from 85 units production as 13,355,299 feet, shipments 12,781,165 and orders 12,683,525.

For the past 26 weeks all hardwood mills reporting to the National Lumber Manufacturers Association gave production 746,402,208 feet, shipments 701,704,884 and orders 724,254,545.

\$400,000 Plant for Production of Insulating Board From Sawmill Waste.

The Mason Fiber Company, a million-dollar corporation, has placed in operation its new insulating lumber plant at Laurel, Miss. A new process, perfected by W. H. Mason, inventor of the method for extracting turpentine and rosin from lumber in the drying operation, involves the use of sawmill refuse alone in the production of an insulating board.

The outstanding feature of the process is in the method discovered for transforming the wood into a suitable pulp.



NEW \$400,000 FIBER PLANT.

This is accomplished by subjecting the wood to a steam bath and then forcibly expelling it from large guns to produce a long-fibered pulp, which is said to be superior to that turned out by former methods.

All the mill waste is brought to the wood house, a building adjoining the main plant, by a special conveyor. The waste is then run through a "hog" and the chipped wood is screened. The sawdust and larger pieces are sent to the power plant for use as fuel, and the medium-sized chips are separated for the production of the fiber. They are conveyed to the main plant and inserted through a special valve in the guns. Steam at high pressure is then turned into the chamber until the chips are thoroughly saturated; the material is expelled through small courts in the lower valve. The difference between the pressure in the gun and that outside tears the fibers apart, producing a soft long-fibered pulp. With this process it is said that the cementing structure is not destroyed as when a chemical method is employed, nor is the strength of the fibers impaired as in a mechanical process.

Passing through a cyclone in which the steam is permitted to escape, the pulp reaches the beaters, where it is subjected to the hydration process. In this operation any loose fibers that have not been thoroughly torn apart in the guns are here separated. A little size is added for waterproofing. The pulp goes to a Fourdrinier machine from the beater to be collected on a screen, formed and cut into sheets; the sheets are then conveyed to steam-heated hydraulic presses, where the board is pressed into shape and all moisture removed.

At this plant two separate types of board will be made, one an insulating board, and the other a grainless product that is hard in quality and is intended to be used as lumber.

The only difference in the two boards is in their density. The insulating board, which weighs 650 to 700 pounds per 1000 square feet, is made $\frac{1}{2}$ inch thick.

The new plant has been built at an estimated cost of \$400,000. It is of steel and concrete construction, and adjoins the mill of the Wausau Southern Lumber Company, from which it will secure waste. There are four other large sawmills in Laurel to draw on for waste, and if this supply is exhausted second-growth-timber can be used. Thus a permanent source of supply is assured.

The plant was designed by W. H. Mason, E. J. Schneider and Mr. Wiener. Mr. Mason has had wide experience in paper manufacture and plant construction, and is a mechanical engineer. Mr. Schneider is a structural engineer, formerly located at New Orleans. The structural steel was furnished and erected by the Virginia Bridge and Iron Company, Roanoke. The remainder of the work of erecting the building and installing the equipment was in charge of Mr. Mason and Mr. Schneider, and was done by day labor.

Reference Book on Cement and Concrete Published.

The Portland Cement Association, Chicago, has issued the 1926 edition of the Editor's Reference Book on Cement and Concrete. It is a book of 58 pages, containing tables on road mileages, highway maintenance costs, cement production and use, as well as many other facts and authoritative statistics.

About 20 pages are devoted to cement manufacture. There are details concerning the manufacture of cement in America, the use of Portland cement per capita, production, shipments and stocks of Portland cement, and the map showing the location of cement plants in this country. Another section is devoted to concrete construction, with details concerning the use of cement by the Romans. Building in winter, how cement is used, and forecasting the strength of concrete are other subjects discussed. What the Portland Cement Association is and the service it offers is presented in brief.

Details concerning many types of structures built of concrete are presented and a large amount of space is devoted to highway traffic, road and street construction.

To Build Timber Railroad and Sawmill.

Kingsport, Tenn.—For the purpose of opening up its timber holdings in Hawkins county, the Tennessee Eastman Corporation, J. C. White, general superintendent, plans to build a 27-mile timber railroad of standard gauge from Kingsport to Honeycutt. Its construction will require two or three years, it is stated. In the meantime, the company will build a band sawmill with a daily capacity of 30,000 feet of lumber, at a cost of approximately \$100,000, to be located about one-half mile from the main plant. Waste from lumber production, it is said, will be utilized for the production of wood alcohol, acetone and other by-products.

Long-Leaf Pine Manufacturers Organize.

Shreveport, La.—At a recent meeting here attended by representatives of Southern producers of long-leaf yellow-pine lumber the Long Leaf Yellow Pine Manufacturers Association was organized for the purpose of promoting the use of long-leaf yellow pine for structural uses through research and trade extension. The association will maintain its principal offices, it is stated, in New Orleans. Officers were elected as follows: C. W. Green, Laurel, Miss., president; J. W. Link, Houston, Texas, and W. H. Sullivan, Bogalusa, La., vice-presidents. Activities of the new organization will be directed by a secretary-manager, who will be selected later.

MECHANICAL

Steam Shovel for General Use.

A new steam shovel of the full-revolving type and one-yard capacity for contractors' and general use is illustrated herewith. It has been brought out by the Bucyrus Company of South Milwaukee, Wis., and it is designated 31-B. Concerning it, G. A. Morison, vice-president and secretary, says:

"Close contact with shovel users in the field has shown that the excavating tool most in demand today is a one-yard shovel with very definite qualities, and we have built this to meet these conditions. The overall dimensions are no greater than those of most $\frac{3}{4}$ -yard shovels, but this new



ONE OF THE NEW STEAM SHOVELS.

product is a real one-yard shovel, built from caterpillar track to boom sheave for work with a one-yard dipper. Thus made, the clearances of the shovel are such that it can maneuver in and out of odd corners handily and work to advantage in extremely narrow cuts. The rear end radius is just 9 feet 6 inches. This, with the strength for any sort of digging on any job that a small revolving shovel might be reasonably asked to do, and the dipper capacity of one cubic yard, will, we believe, make it a most efficient tool for general excavation."

The standard machine is built to cut a wide level floor 16 feet 7 inches, dig 4 feet 11 inches below grade and dump 12 feet 6 inches above the floor level either to spoil or in trucks. It has abundant strength and power. All of the proven features of this manufacture are retained in the design, which has been worked out in close co-operation with men in the field, including the outside dipper handle, the box-girder boom, two-part hoist direct connected to dipper, unobstructed dipper opening, swing engine mounted in front and the caterpillars with big idlers and bearings high out of the mud and the continuous treads with no gaps between links.

The shovel is also available as a high-lift shovel of one-yard capacity, dumping 18 feet above the floor, and extra high lift $\frac{7}{8}$ -yard dipper that reaches its extreme dumping height of 21 feet 7 inches. Besides, the machine is quickly and easily convertible to a dragline, with a 40-foot boom. It is also offered as sewer excavator, clamshell or crane.

Wants Bids for Water-Works System.

In a letter to the MANUFACTURERS RECORD Henry A. Mentz, consulting engineer, Hammond, La., advises that he will receive bids at Webb, Miss., on July 23 for a water-works system, to include cast-iron water main, valves, boxes and hydrants, elevated tank, pumping machinery and miscellaneous construction work.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.
An asterisk (*) following an item indicates that the enterprise has been reported in a preceding issue.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

Airplane Plants, Stations, Etc.

Okl., Cushing—City, reported, contemplated building airplane hangar, capacity eight planes. Address City Clerk.

Tex., Houston—National Air Transport, Inc., L. K. Bell, Gen. Traffic Mgr., Chicago, Ill., contemplates establishing southern terminal at Houston; A. D. Simpson, local agent.

Va., Winchester—R-M Air Transport Corp., Roy W. Richards, Pres., will probably construct hangars for airplanes; operates passenger planes.*

Bridges, Culverts and Viaducts

Proposed Construction

Arkansas—State Highway Comm. received low bids for 4 bridges. See Roads, Streets, Paving.

Ark., Clarendon—Monroe County, J. Frank Hurst, County Judge, granted franchise to Harry E. Boyay, Stuttgart, Ark., for bridge across White River about 4 mi. from Clarendon.

Ark., DeValls Bluff—Chicago, Rock Island & Pacific Ry. Co., C. A. Morse, Ch. Engr., Chicago, Ill., plans repairing drawbridge over White River, near DeValls Bluff.

Ark., Paragould—State Highway Comm., Little Rock, receives bids July 16 for 1729 lin. ft. treated timber bridge over St. Francis River, Green County, east of Paragould, 11,328 lin. ft. treated timber piling, and 15,750 lbs. structural steel in beam bridges; plans on file; Herbert R. Wilson, Chmn.

Ark., Batesville—State Highway Comm., Little Rock, receives bids July 30 for steel and concrete bridge over White River, with earth embankment and gravel surface approaches near Batesville, Independence County, 2000 lin. ft. embankment and gravel surface approach, 740 lin. ft. concrete pile trestle, one 110-ft., three 173 ft. steel truss spans, and one 317 ft. swing steel truss span; 33,610 cu. yd. excavation, 296,600 lbs. reinforcing steel, 1,522,885 lbs. structural steel in truss bridges; plans on file; Herbert R. Wilson, Chmn.

Fla., Bonita Springs—Naples, Seaboard and Gulf Ry. of Seaboard Air Line Ry., W. D. Faucette, Ch. Engr., Savannah, Ga., plans bridge across Horse Creek, near Bonita Springs, plate girder bridge with trestle approaches, fixed channel span with 41.5-ft. horizontal clearance and 5.52-ft. vertical clearance.

Fla., DeLand—See Roads, Streets, Paving.

Fla., Estero—Seaboard-All Florida Ry. of Seaboard Air Line Ry. Co., W. D. Faucette, Ch. Engr., Savannah, Ga., plans bridge over Mulloch Creek near Estero, plate girder bridge, pile trestle approaches, fixed channel span with 20-ft. horizontal clearance, and 6.47-ft. vertical clearance.

Fla., Stuart—Martin County Commrs., H. N. Gaines, Chmn., receive bids July 16 to repair concrete arch bridge over south fork of St. Lucie River, about 6.5 mi. south of Stuart; E. H. Gibson, County Engr.

Fla., Winter Haven—Seaboard Air Line, W. D. Faucette, Ch. Engr., Savannah, Ga., plans bridge across canal between Lake Ship and Lake May.

Fla., Tampa—City Comm., W. Leslie Brown, Mgr., and Hillsborough Commrs. interested in building Florida Ave. bridge; estimated cost \$75,000.

Fla., Vero Beach—Vero Beach-Detroit Co., Carter & Damerow, Engrs., received low bid from Southern Dredging Co., Jacksonville, for causeway complete, including fills, piling, bulkheads, trestle and bascule type bridge.*

Ga., Dalton—Whitfield County Board of Roads and Revenue, J. C. Black, County Clk., receives bids about Sept. 1 for 120-ft. bridge across Conasauga River, at Keith Island road, 12 or 16-ft. roadway. Address Chmn. Board of Roads and Revenues, Dalton and Chatsworth, Ga.

Kentucky—State Highway Dept., Frankfort, receives bids July 26 for 4 bridges: Allen and Floyd Counties, over Levisa Fork of Big Sandy River, at Allen, 190-ft. and two 135-ft. span steel bridges on reinforced concrete piers and abutments; Carter County, over Tygart Creek, near Olive Hill, two 30-ft. reinforced concrete deck girder and 110-ft. arch span; Grayson County, over Big Clifty Creek, Litchfield-Elizabethtown road, two 20-ft. deck girder and two 124-ft. steel spans; four 50-ft. span reinforced concrete bridge over Little River at Cadiz; E. N. Todd, State Highway Engr.

Md., Annapolis—State Roads Comm., 601 Garrett Bldg., Baltimore, received low bid from Forbes-Murphy Construction Co., 406 St. Paul St., Baltimore, at \$14,280, for concrete and steel bridge over Marley Creek on Annapolis Blvd., 2 mi. south of Glenburnie.*

Md., Baltimore—City, Howard W. Jackson, Mayor, received low bid from Catalano & Pecora at \$111,135 for North Point road undercrossing at Pennsylvania R. R.; Stuart Purcell, Highways Engr.; B. L. Crozier, Ch. Engr.*

Miss., Macon—Noxubee County Board of Supvrs., John A. Tyson, Chancery Clk., receives bids Aug. 3 for 2 wooden bridges: Over Jordan Creek, on Macon and Cooksville road, about 15 mi. from Macon; over Ash Creek, on School road, 12 or 14 mi. from Macon.

Miss., Pascagoula—Jackson County Board of Supvrs., K. W. Burnham, Pres., may receive bids in Aug. for bridges over Pascagoula and Escatawpa Rivers at Pascagoula and Moss Point; A. M. Blodgett, Inc., preparing plans.*

N. C., Mill Landing—State Highway Dept., Raleigh, plans bridge across Salem Creek, near Mill Landing.

N. C., Pittsboro—Chatham County Commissioners, R. J. Johnston, Chmn., and Lee County Commissioners, T. A. Riddle, Chmn., receive bids July 21 for 522 ft. bridge across Cape Fear River at Avent's Ferry; slab-and-girder type reinforced concrete or steel through truss bridge; plans from Gilbert C. White Co., Engrs., Durham.

Okl., Wynoka—Wood County Commrs., Alva, plan 1190-ft. creosote piling bridge over Cimarron River near Wynoka.

S. C., Lancaster—See Roads, Streets, Paving.

Tenn., Knoxville—City, Alexander Harris, Director of Public Works, receives bids July 30 for Broadway viaduct and approaches, Jackson to Depot Ave., estimated cost \$280,000.*

Tex., Corpus Christi—State Highway Comm., Hal Moseley, Chmn., Austin, receives bids July 27 for bridge extension across Oso Creek, near Bishop, estimated cost \$6500; A. C. Love, State Highway Engr.; W. J. Kelly, Div. Engr., 309 Guggenheim-Cohn Bldg., Corpus Christi.

Contracts Awarded.

Ala., Mobile—Louisville & Nashville R. R. Co., W. H. Courtenay, Ch. Engr., Louisville, Ky., let contract to Missouri Valley Bridge & Iron Co., Leavenworth, Kansas, at about \$1,006,302 for railroad bridge across Mobile River north of Mobile.*

Fla., St. Petersburg—Shore Acres Properties, Inc., let contract to Coleman Concrete Co., 1115 Hanson Ave., St. Petersburg, at \$12,000, for reinforced concrete bridge over

Bayou Grande Canal in Bayou Grande section of Shore Acres.

Ga., Dalton—County Board of Roads and Revenue, Whitfield County, Dalton, and Commrs. of Roads and Revenue, Murray County, Chatsworth, let contract to Luten Bridge Co., York, Pa., at \$12,428 for 240-ft. x 12 x 31, reinforced concrete bridge over Conasauga River, at Looper Bridge site.*

Mo., Carrollton—Carroll and Chariton Counties Courts let contract to Pan American Bridge Corp., Moberly, at \$39,946 for bridge over Grand River.

Canning and Packing Plants

Fla., Bartow—Hill Bros., Avon Park, have site and let contract for erection of plant; cost \$75,000.

Fla., Ocala—Ocala Fruit Packing Co., Inc., will erect fruit cannery on 4-acre site, cost \$50,000.

La., New Orleans—Pelican Packing Co. incorporated; Bazielle Spezioli, New Orleans; Charles Hancey, Gulfport, Miss.

Clayworking Plants

Ala., Rendell—W. B. Patterson Clay Co., Chunchula, will rebuild burned plant.

Mo., Fulton—Fulton Fire Brick Co. reported interested in development of clay fields.

Tenn., Jellico—Jellico Brick Corp., Peter Zechini, Pres., has reorganized with capital of \$250,000; has plant for manufacture of clay products. (See Machinery Wanted—Steam Shovel.)

Tenn., Paris—Merger reported of Mandle Clay Co., St. Louis, Mo.; Johnson-Porter Clay Co., Paris, and McKenzie & Cooley Ball and Sager Clay Co., Hazel, Ky.; capital \$1,000,000; M. W. Younkin, Sec.; Joell M. Porter, Pres.; operate clay mines in Henry and Carroll counties and Cooley mines near Hazel.

Tex., Tyler—Tyler Brick Co., capital \$35,000, incorporated; H. L. Millis, C. J. Gillfillan.

Tex., Wichita Falls—Wichita Falls Brick & Tile Co. reported let contract to Reid & Costley, Staley Bldg., for \$40,000 brick plant.

Coal Mines and Coke Ovens

Ky., Henderson—Zion Coal Co., Thomas Baskett, Owner, let contract to W. T. Henderson to rebuild tippie.*

W. Va., Charleston—Carbon Fuel Co., C. A. Cabell, Pres., 2104 Kansas St., reported, expending \$60,000 on improvements at Nos. 5 and 7 mines in Kanawha County, erecting tippie with shaker screens, loading booms, etc.

Concrete and Cement Plants

Tenn., Nashville—Nashville Concrete Pipe Co., capital \$25,000, incorporated; F. W. Candy, 2812 Oakland Ave.

Cotton Compress and Gins

Ark., Clarendon—Farmers Gin Co. let contract to E. T. Boales to erect 22x74-ft. gin; concrete foundation, iron roof; cost of equipment \$10,000; install four 80 saw Murray gins; Murray Gin Co., 3200 Williams St., Dallas, and Fairbanks, Morse & Co., Machinery Contrs., N. Market St., Dallas.*

La., Castor—Castor Gin Co., Inc., capital \$12,000, incorporated; C. H. Sledge, H. H. Lawson.

Okl., Eldora—Lee Barry Gin Co. reported plans erecting \$50,000 cotton gin.

Okl., Lone Grove—Eddings Gin Co., capi-

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tal \$10,000, incorporated; T. E. Eddings, Ott Reeves.

Tenn., Dyer—L. A. Thornton plans rebuilding burned cotton gin.

Tex., Brenham—Farmers Warehouse Co., L. F. Winkelmann, Pres., Salem; operate cotton warehouse.

Tex., Houston—Exporters Compress and Warehouse Co., Buffalo Bayou, will erect two 1-story warehouses on north side Buffalo Bayou; 105x218 ft.; mill construction; tar and gravel roofs; cost \$30,000; J. L. Osborn, Contr.

Tex., Roby—Farmers Gin Co., capital \$12,000, incorporated; W. A. Prater, M. L. Williams.

Tex., Wilson—Farmers Gin Co., capital \$25,000, incorporated; J. A. Pierce, Fritz Nieman.

Tex., Zapata—Zapata Gin Co., capital \$10,000, incorporated; Primitivo Uribe, Fernando Garza.

Cottonseed-Oil Mills

La., Tallulah—Tallulah Cotton Oil & Ice Co., W. R. Spann, Pres., 934 Unadilla St., will erect addition and new gin and cottonseed products plant, daily output 80 tons; steel construction, concrete floors, composition steel roof; cost of building \$10,000; cost of equipment \$15,000; construction by owners.*

Miss., Belzoni—Humphreys County Oil Mill, capital \$60,000, incorporated; H. E. Covington, J. R. Jones, Jr.

Tex., New Braunfels—Landa Industries, Inc., capital \$1,000,000, incorporated; Emil Hillje, Pres., 411 Dwyer St., San Antonio; J. E. Jarrat, Chmn., Board of Directors; organized to take over and operate industrial properties at Landa Park, New Braunfels, known as Landa Cotton Oil Mill and Landa Flour Mills.

Drainage, Dredging and Irrigation

Fla., Eau Gallie—City will expend \$14,000 on dredging and improving harbor; open bids Aug. 2; J. O. Wickham, City Engr. (See Machinery Wanted—Dredging.)*

Fla., Moore Haven—Diston Island Drainage Dist., C. L. Williams, Sec., will construct dam across 80-ft. canal; Myers-Richardson Engineering Co., Engrs. (See Machinery Wanted—Dam.)*

Fla., Tampa—Supervising Board of the Interbay Drainage Dist., James G. Yeats, Pres., 81 S. Rome St., soon begin work for drainage of 13,000 acres land in peninsular district, including all sections south of Memorial highway and west of Howard Ave.; work includes 18 miles pipe, 11 miles 6-ft. concrete box fills; has about \$2,338,000 available; reported let contract to Nixon & Phillips of Lineville, Ohio, at \$1,724,766.

Fla., Vero Beach—The Indian River Mosquito Control Board, John Leroy Hutchinson, Chmn., will construct 250,000 cu. yds. marsh fill in Unit No. 1; receives bids Aug. 10; Carter & Damerow, Engrs. (See Machinery Wanted—Fill.)

La., New Orleans—State Engineers, 213 New Orleans Court Bldg., receiving bids for enlargement of Cow Head bayou to Red Cross levee; from the Atchafalaya river to Pointe Coupee parish, approximate contents 130,000 cu. yds.

Mo., Rocheport—Dike—The Massman Construction Co. of St. Louis, Mo., low bidder on 2300 ft. of dike.

Tex., Corpus Christi—J. William Bones will make preliminary survey in connection with proposed Bishop-Driscoll Drainage Dist. Address Neuces County Commrs.

Tex., Newton—H. J. L. Stark of Orange interested in irrigation of 35,200 acres cut-over land in valley of Sabine River; building canal system.

La., Vinton—Gravity Drainage Dist. No. 2 of Calcasieu Parish plans reclaiming about 64,000 acres; dimensions of canals not definitely determined; F. Shutts & Sons, Engrs., Lake Charles, La.*

Electric Light and Power

Large sums are being expended for electric light and power work in connection with Land Development operations. Details will be found under that classification.

Ala., Athens—City will install electric light plant. Address The Mayor.

Ala., Birmingham—Birmingham Electric Co., 2100 N. First Ave., reported to construct

building corner N. Sixth Ave. and twelfth St.; brick and stone, 3 stories and basement, 50x128 ft., built-up roof, structural and reinforced steel, steel sash; plans by Warren, Knight & Davis, 1603 Empire Bldg.; architect wires: "Birmingham Electric Co.'s building 150x125 ft., 3 stories and basement, reinforced concrete brick and stone, cement floors, tar and gravel roof, 2 freight elevators, some telescopic partitions; date opening bids not decided; approximately Aug. 1."*

Ark., Little Rock—Arkansas Railroad Comn. granted permission to Ozark-Hydro Electric Power Co. to construct power dam on Crooked Creek.*

Fla., Eau Gallie—City, Wm. R. Roesch, Mayor, receives bids July 23 for white way.*

Fla., Jacksonville—City Comsn., Frank H. Owen, Chmn., 2125 Laura St., reported planning \$2,000,000 expenditure for doubling generating capacity of electric light plant on Talleyrand Ave.

Fla., Miami Beach—City opens bids July 21 for white way system; Ed R. Neff, City Engr.*

Fla., Palmetto—City receives bids Aug. 3 for white way and sewers; F. K. Webb, Constr. Engr. (See Machinery Wanted—Sewers; White Way.)

Fla., Tampa—B. L. Hammer, 205 Zack St., and associates reported interested in installing white way on Florida Ave.

Ga., Athens—Georgia Railway & Power Co. Atlanta, will extend transmission lines Commerce to Athens, distance of 12 mi.; wood pole construction carrying one 4/0 copper circuit and operating at 22,000 volts; will also operate system in and around Athens as part of Georgia Railway & Power Co.'s system; work by company's forces.*

Ga., Jessup—Ware County Light & Power Co., Waycross, lately noted acquiring electric light plant, will extend transmission line from Screven to Jessup.*

Ga., Vidalia—Mayor and City Council authorized to sell light plant; ready to consider bids.

Ky., Princeton—Kentucky Utilities Co., Metropolitan Bldg., Louisville, reported to construct 333 kv-a substations at cost of \$14,000, 1 mile of 33,000 volt transmission line and 440 kv-a substation at Browder, cost \$7955; 200 kv-a substation at Kuttawa, cost \$9197; rebuild distribution system at La Center, install 50 kv-a substation; 75 kv-a substation at Barlo, cost \$10,000; 11,000 volt distribution system at Kevil; 2300 volt power line 1½ miles long; 150 kv-a substation at High Bridge.*

La., LaPlace—A. Montz & Co. reported to extend power lines to St. Rose.

La., Maringouin—City plans water works and electric light improvements; F. P. Joseph, Engr., Glenmora.

Miss., Senatobia—City, J. B. Snider, Jr., Mayor, reported plans improvement to light and water plant.

Mo., Cassville—C. T. Botherton acquired electric plant and distribution system.

Mo., Fredericktown—City voted to sell electric plant to Missouri Electric Power Co., Marshfield.

Mo., Marston—Arkansas Missouri Power Co., Blytheville, Ark., acquired electric light and power distribution system.

Mo., Potosi—Arkansas Missouri Power Co., Blytheville, Ark., acquired franchise and electric distribution and lighting system.

N. C., Monroe—Michael & Bivens, Inc., Gastonia, received contract for installing 11,000 volt underground cables for city; cost \$20,000.

N. C., Rocky Mount—Carolina Power & Light Co., Raleigh, has begun construction of substation, initial capacity 60,000 volts, ultimate capacity 100,000 volts; extend transmission line from Zebulon to here.*

Oklahoma—Southwestern Light & Power Co., Braniff Bldg., Oklahoma City, reported let contract to C. L. Berger Construction Co., Oklahoma City, for \$300,000 construction work, including 153 miles of high line, 114 miles of which will be new and 38 miles rebuilt.

Tenn., Chattanooga—Southern Cities Power Co., Provident Bldg., advises that \$5,500,000 bond issue, recently underwritten by Ames, Emerich & Co., of New York and Chicago, will be used for extensions and improvements, including purchase of new properties in Tennessee and in other Southern states; all supplies and equipment will be purchased through Mills & Lupton Supply Co., 1146 Market St., Chattanooga, subsidiary of Southern Cities Utilities Co.; engineering and other supervision furnished by parent company.*

Tenn., Chattanooga—State Public Utilities Comn., Nashville, approved application of Tennessee Electric Power Co. to issue 44,000 shares of common stock, 5000 shares of 6% first preferred stock and \$3,500,000 of first and refunding gold bonds, 5% series; to purchase from Nashville Railway & Light Co., Nashville, at par and accrued interest \$1,626,500 of company's refunding and extension mortgage 50-year 5% gold bonds and from same company at par \$262,000 6% notes.

Tenn., Harriman—Tennessee Electric Power Co., Chattanooga, will construct 21 miles of power line into Harriman, operated at 66,000 volts; construction by company's forces.*

Tex., Dallas—Dallas Power & Light Co., International Bldg., reported to erect \$90,000 warehouse addition at Park Ave. and Marilla St.; L. Handley, Engr., 4411 Vandella Ave.

Tex., Denton—R. F. Taylor, Dallas, reported engineer for extension to power plant for College of Industrial Arts.*

Tex., Weslaco—See Water Works.

Va., Exmore—General Engineering and Management Corp., 165 Broadway, New York, advises that Exmore Light & Power Co. is now completing construction of new 1200 H.P. Diesel engine driven electric plant, consisting of two 600 H.P. Bush-Selzer engines and General Electric generators, with switchboard and all accompanying auxiliaries; constructing 25 miles of 22,000 volt transmission lines between Exmore and Cape Charles; improving Exmore Ice & Cold Storage Co.; total cost \$300,000; all equipment is under contract or purchased.

Va., New Castle—I. J. and Milton E. Marcuse, Mutual Bldg., Richmond, reported acquired Meadow Creek Falls water power, 84 acres on Johns Creek and Craig Mills and equipment.

Va., Richmond—Virginia Electric & Power Co., T. C. Womack, Engr. Maintenance of Ways, is erecting 24x30-ft. plant; concrete and brick; concrete floors; concrete and slag roof; A. J. Saville, Inc., Contr., Electric Bldg.; install 8000 ft. capacity Kewanee boiler with necessary ventura fin heaters.

Flour, Feed and Meal Mills

Mo., Warrensburg—Culp Elevator Mills, W Pine St., has feed mill; will install motors (See Machinery Wanted—Motors.)

Tenn., Nashville—Charles D. Jones Co., capital \$50,000, incorporated; J. C. Knox, Iroquois Ave.

Tex., Amarillo—Kenyon-Kearns Feed Co., incorporated; W. S. Kenyon, H. L. Kearns.

Tex., Fort Worth—Jones-Hettelsater Co., Mutual Bldg., Kansas City, Mo., are contractors for addition to Kimbell Milling Co., 1800 S. Main St., cost \$55,000.

Foundry and Machine Plants

Tex., Galveston—Knowles Iron Works, Inc., 1621 A St., capital \$40,000, chartered; E. B. Knowles.

Gas and Oil Enterprises

La., Jennings—Jennings Oil & Gas Co., capital \$15,000, incorporated; John B. Fournet.

La., Lake Charles—Drysdale-Savoie Oil Co., Inc., capital \$10,000, incorporated; W. B. Drysdale, Edgerly; John Savoie, Ged.

La., Lafayette—Louisiana Public Utilities Co., Inc., Hibernia Bldg., New Orleans, has franchise; will erect water gas plant.*

Missouri—State Public Service Comn., Jefferson City, reported authorized Joplin Gas Co., Joplin, to acquire natural gas systems in Alba, Purcell, Neck City, Oakland, Royal Heights, Lakeside, Duenweg, Prosperity and Porto Rico, Mo.

Okla., Blackwell—McClelland Drilling Co., capital \$25,000, incorporated; Earl E. Wherry, P. E. Rogers.

Okla., Dewey—McWhorter Drilling Co., capital \$10,000, incorporated; W. O. McWhorter, Dewey; G. E. McHugh, Tulsa.

Okla., Madill—Wacil Oil Co. increased capital to \$40,000.

Okla., Oklahoma City—Grady County Oil Corp., capital \$75,000, incorporated; R. H. Wilson, 401 E. 12th St.; Guy C. Reid.

Okla., Shawnee—Mid-West Sales Co., capital \$10,000, incorporated; A. L. Fauble, H. T. Pryor.

Okla., Tulsa—Oklahoma Royalties, Inc., capital \$25,000, incorporated; T. Austin Gavin, Commercial Bldg.; K. G. Stell.

Okla., Waurika—Waurika Gas Co., capital \$450,000, incorporated; Robert Hynes, Waurika; Harry F. Mitchell, Fort Worth, Tex.

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Okl., Weleetka—Spring Hill Lease & Royalty Corp., capital \$10,000, incorporated; F. P. Douglas, Weleetka; L. W. White, Pharaoh.

Tenn., Chattanooga—The Fowler Lewis Oil Refining Co., F. B. Fowler, will erect 40x80-ft. concrete main building and various outbuildings; 50 bbl. refinery, seven 100 bbl. and one 300 bbl. tanks, $\frac{1}{2}$ to 3-in. valves, etc., for reclaiming waste crank case oil; T. E. Lewis, 5415 Beulah Ave., St. Elmo, Engr.; J. V. Trotter, 704 Cherry St., Chattanooga, Contr.

Tenn., Chattanooga—F. B. Fowler, Fowler-Lewis Refining Co., reported to erect refining and waste reclaiming plant, daily capacity 50 bbls.

Tenn., Johnson City—Washington County Gas Co. authorized by Railroad and Public Utilities Comm. to issue \$25,000 of 20-year 6% bonds.*

Texas—Lone Star Gas Co., 1915 Wood St., Dallas, let contract to Oklahoma Contracting Co., Central Natl. Bank Bldg., Tulsa, and Edward M. Kerlin, Sullivan, Ind., for construction of 95 miles of main pipe line to Greenville, Roysse City, Rockwall, Garland, Terrell, Kaufman, Ferris and Lancaster; cost \$1,750,000.*

Tex., Amarillo—Gopher Oil Co., capital \$150,000, incorporated; J. N. Beasley, J. E. Hill.

Tex., Amarillo—Y Four Oil Co., capital \$85,000, incorporated; W. C. Irvin, E. A. Caldwell.

Tex., Amarillo—Prairie Pipe Line Co., Independence, Kansas, reported considering construction of 203 mile pipe line to connection 1th trunk line at Addington, Okla., capacity 30,000 bbls.

Tex., Amarillo—Pantex Oil Co., capital \$10,000, incorporated; Dorset Carter, W. H. Sparger.

Tex., Cisco—Chestnutt & Smith will establish plant for manufacturing gas into gasoline.

Tex., Dallas—Alamo Drilling Co., capital \$40,000, incorporated; M. J. Delaney, Santa Fe Bldg.

Tex., Eastland—J. E. Lewis Co., capital \$10,000, incorporated; J. E. Lewis, H. L. Reed.

Tex., Flordada—City, F. P. Henry, Mayor, granted gas franchise to A. J. McMahon, R. A. Tipton, Oklahoma City, Okla.

Tex., Iowa Park—Goldhill Oil Co., capital \$25,000, incorporated; A. C. Golden, Warren Clark.

Tex., Luling—Magnolia Petroleum Co., Fannin & McKinney, Houston, reported to construct 180 mile pipe line, build pumping stations at 60 mile intervals; construction by owners.

Tex., Plemens—Gas Chemicals Corp., Denver and Colorado Springs, Colo., will construct casinghead gasoline plant near here; all new machinery to be installed; permanent construction; 24,000 gal. daily capacity; Coyle McGuire Eng. Co., Engrs., Amarillo.

Tex., Plainview—Geo. R. Broadwell, Branch Bldg., and A. J. McMahon, Insurance Bldg., both Oklahoma City, Okla., and R. A. Tipton, Amarillo, reported granted 20-year gas franchise.

Tex., Rising Star—Diamond Gas Products Co., Fort Worth, reported applied to State Railroad Comm., Austin, for permit to erect carbon black manufacturing plant.

Tex., San Antonio—Westmoreland Oil & Gas Co., capital \$100,000, incorporated; T. H. Poole, C. T. Brinkley.

Ice and Cold-Storage Plants

Fla., Arcadia—The Florida Power & Light Co., J. D. Almond, Local Mgr., will establish two cash and carry ice distributing plants, capacity about 2½ tons each.

Fla., Pensacola—Florida Power & Light Co., 27 N. W. First St., Miami, S. T. McAdam, Mgr., reported erect ice plant, daily output 100 tons.

Miss., Ocean Springs—R. R. Guice reported acquired the Ocean Springs Electric Light & Ice Co.'s plant; will improve.

Iron and Steel Plants

Ala., Birmingham—Southern States Iron Roofing Co. of Savannah, Ga., Jesse and Hal Fulenwider, 2511 Price Ave., owners, have contract with Charles A. Jones, Jr., and Ted Brownell for erection of building on Seventh St.; will install machinery to manufacture iron roofing and reinforced concrete bars.

Land Development

Ala., Birmingham—Mountain Brook Estates, capital \$250,000, incorporated; Robert Jemison, Jr., 4301 Altamont Rd.

Ala., Birmingham—L. C. K. Improvement Co. incorporated; Leroy R. Jacobs, J. F. Kirk.

Fla., Fort Myers—Bard L. Hendry reported interested in colonization of 20,000 acres.

Fla., Jacksonville—City will probably develop 36 acres of land for park; St. Elmo W. Acosta, Park Commr., Herkimer Bldg.

Fla., Lake City—M. A. Wall acquired tract; plans establishing blueberry farm.

Fla., Lake Wales—Mammoth Grove Corp., Chicago, Ill., reported to expend \$75,000 for improvements to groves and citrus plant; construct 6 car packing plant; contract let to Truscon Steel Co., Youngstown, Ohio; develop 2200 acres in groves.

Fla., Lake Worth—Fred M. Valz, Atlantic Natl. Bank Bldg., Jacksonville, reported acquired for client 2 islands in Lake Worth with 17 acres submerged lands.

Fla., Palm Beach—Bath and Tennis Club, Anthony J. Drexel Biddle, Jr., 511 Fifth Ave., New York, and Hutton Harris Hammond, reported interested in development of \$1,000,000 bathing beach.

Fla., Pensacola—Arden Berbeyne, Chicago, Ill., will develop 86 acres land on St. Mary de Galvez Bay, 400 acres on Milton-Pace Rd. and waterfront tract on Santa Rosa sound.

Fla., Valparaiso—Langford & Moreau, Ltd., 2405 Grace St., Chicago, Ill., are designing and constructing golf course and clubhouse.

Fla., Winter Haven—J. B. Thornhill and Wm. M. Hampton interested in development of park.

Ga., Macon—Wage Earners Realty & Investment Co. incorporated; T. A. Coleman, 114 Rogers Ave.

Ga., Savannah—Burch & Co., Inc., capital \$15,000, incorporated; E. A. Burch, Jr., 515 E. Waldburg; D. F. Griffin.

La., New Orleans—Bridge Heights Realty Co., capital \$50,000, incorporated; W. R. Dodge, 413 Carondelet Bldg.

La., New Orleans—Saenger Realty Corp., Inc., increased capital, \$750,000 to \$1,000,000.

La., New Orleans—Lanac Realty Co., Inc., capital \$50,000, incorporated; Ferdinand Dietze, Jr., 1621 State St.

La., New Orleans—Therese Realty Co., Inc., capital \$12,000, incorporated; Edward Murphy, 1216 Hibernia Bank Bldg.

La., New Orleans—Pinnella Realty Co., Inc., J. K. Bailey, 433 Whitney Bank Bldg., will develop 30 acres for subdivision; install water, streets, sewerage, park, swimming pool; expend \$15,000; E. D. Moore, Constr. Engr., Hammond.*

La., Winnboro—Sherrouse Realty Co., capital \$50,000, incorporated; W. J. Sherrouse.

Md., Baltimore—Armor Realty Co., 3919 Kate Ave., incorporated; Harry C. Constantine, George H. Foden.

Md., Baltimore—G & K Realty Co., 215 Equitable Bldg., incorporated; Ida B. Gross, Alex Kremen.

Md., Salisbury—Lakeside Co., capital \$50,000, incorporated; E. Dale Adkins, Sec., will develop 10½ acres for subdivision; install water, sewers, electric lights, streets; expend \$10,000.

Miss., DeLisle—Mississippi Coast Realty Co., B. Champlin, Gen. Mgr., Gulfport, reported to develop camp sites in Live Oak Park; create semi-artificial island, dredge waterfront; erect 2 dams, create artificial lake; C. E. Buckles, Archt.

Miss., Gulfport—General Realty Co., incorporated; E. B. Ellis, New Orleans, La.; F. R. Holbrook, Gulfport.

Miss., Picaune—Picaune Development Co. will develop 80 acres for subdivision; install sewer and water system; streets; expend \$20,000.*

Mo., Aurora—Ben J. Martin Realty & Investment Co., capital \$15,000, incorporated; Ben J. Martin, Sr., Isaac Martin.

Mo., Boonville—Central Missouri Realty Co., capital \$90,000, incorporated; H. A. Creagan, H. W. Meyer.

Mo., Creve Coeur—Houllihan Nursery Co., capital \$40,000, incorporated; Edward J. Houllihan, 910 Carleton Bldg.

Mo., Kansas City—South Side Investment Co., capital \$50,000, incorporated; Thos. J. Clark, 3642½ Montgall St.

Mo., Kansas City—Pennarch Realty Co.

incorporated; H. T. Mattern, Fifty-fourth St. and Wyandotte Ave.

Mo., St. Louis—Schroeder-Greulich Construction Co. incorporated; Chas. H. Schroeder, 4229 Red Bud St.

Mo., St. Louis—Willfort Realty & Investment Co., capital \$10,000, incorporated; James V. Dunbar, 5501 Bartner St.

Mo., St. Louis—Frances-Ralph Realty Co., incorporated; Ralph E. Neidringhaus, Arcade Bldg.

Mo., St. Louis—Laclede Realty Co., capital \$40,000, incorporated; I. J. Seigfried, 6250 Enright St.

N. C., Asheville—H. W. Noggle, L. L. Kirkpatrick, Winter Haven, Fla., reported acquired tract at Lake View Park; develop subdivision; let contract to Farmer & Co. for grading streets, electric light, water and sewers; Cox Engineering Co. are making survey.

N. C., Asheville—Asheville School Estates, Inc., capital \$100,000, incorporated; A. J. Armstrong, F. L. Willis.

N. C., Asheville—Lloyd-Skinner Carolina Corp., M. W. Lloyd, Pres., will develop 200 acres for subdivision; install hard surfaced streets; water, electricity, telephones; H. A. Wells Construction Co., Contrs., Technical Bldg.; Jas. R. Mitten, 18 Patten Ave., Constr. Engr.

N. C., Asheville—James E. Appleby, Mgr., Mountain Meadows Estates, is constructing storage reservoir; work under direction of J. R. Mitten, Engr., of Lloyd-Skinner Carolina Corp.

N. C., Charlotte—W. H. Webster, Myers Park, acquired 531 acres on Lawyers' Rd. at McAlpine's Creek; will develop.

N. C., Charlotte—Southeastern Development Co. acquired 286 acres in Steel Creek Township.

N. C., Elizabeth City—Theo. S. Meekins reported interested in development of 10,000 acres.

N. C., Greensboro—Mount Airy Orchards, Inc., capital \$100,000, incorporated; F. C. Boyles, Howard Gardner.

N. C., Greensboro—W. C. Terry Real Estate Co., 325 W. Clinch St., Knoxville, Tenn., will develop subdivision on High Point Blvd.; install streets and gas mains.

N. C., Lenoir—Lenoir Land Co., capital \$100,000, incorporated; F. H. Bradley, J. D. Matheson.

N. C., Lenoir—Grandfather Mountains, Inc., Dr. A. W. Dula, Pres., has 1000 acres; will develop 250 acres for homesites and lodges; install water, electric lights, streets; S. Ben Howard, Landscape Archt.* (See Machinery Wanted—Pipe (Iron).)

N. C., Tarboro—Town Creek Realty Co., capital \$100,000, incorporated; C. W. Weltons, Thelma Tooley.

Okl., Okemah—Mose Cemetery Assn., incorporated; James Ward; Claude W. Jones.

Tex., Corpus Christi—W. L. Pearson Co., W. L. Pearson, Sec., First Natl. Bank Bldg., Houston, will develop 50-acre subdivision; install city water, sanitary sewers, combination curb and gutter, permanently paved asphalt streets, natural gas, sidewalks, electric lights; expend \$150,000; H. A. Salisbury, Archt., 1515 Post Dispatch Bldg.; W. B. Kemper, Constr. Engr., Corpus Christi.

Tex., Dallas—Parkdale Realty Co., capital \$200,000, incorporated; J. H. Power, 5645 Gaston St.

Tex., Kerrville—Harvey Mosty of Mosty Bros. Nurseries will develop 60 acres in Bexar County for nursery and plum orchard.

Tenn., Knoxville—Rogers Development Co. plans development of 35 acres on East Fifth Ave.; install streets.

Tex., Dallas—Churchill-Humphreys Co., capital \$50,000, incorporated; S. J. Churchill, 3625 Dartmouth.

Tex., Fort Worth—Anderson Berney Realty Co., capital \$225,000, incorporated; B. L. Anderson, 1025 Penn Ave.

Tex., Houston—MacGregor Drive Development Co., capital \$10,000, incorporated; James A. Baker, C. M. Malone.

Tex., Houston—Milam & Leeland Realty Co., capital \$12,000, incorporated; H. T. Staltz, Chronicle Bldg.

Tex., Houston—City plans issuing bonds for parks. See Financial News—Bond Issues Proposed.

Tex., Marfa—T. M. Wilson, Pres. Marfa State Bank, reported acquired 45,000 acres near Marfa.

Tex., San Antonio—Four Seasons Farms, E. E. Dix & Sons, 321 Bedell Bldg., will develop 50,000 acres in Jim Wells, Brooks

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and Hidalgo counties within next 2 years; has under cultivation 5000 acres near Falfurrias for citrus fruits, berries and vegetables; plan erection of canning plants; expend from \$3,000,000 to \$4,000,000 on improvements exclusive of deep wells, buildings, canning and packing plants.*

Va., Lee Heights—Ruby Lee Minar, 1405 New York Ave. N. W., Washington, D. C., is developing 25 acres subdivision; install water-sewers, electric lights.

Va., Richmond—Bryan Park Development Corp., capital \$25,000, incorporated; N. H. Tate, 110 N. Eighth St. ?

Va., Virginia Beach—Croatan Club reported to build 18 hole golf course, tennis courts and fishing pier.

W. Va., Huntington—Huntington Corners Co., capital \$100,000, incorporated; Hans Watts, Park Hill.

W. Va., Huntington—Holswade Park Extension Co., capital \$100,000, incorporated; J. Fred Holswade, Vinson Thompson Bldg.; John G. Ricketts.

W. Va., Welch—Houston Realty Co. will develop Southwood Addition subdivision.

Lumber Enterprises

Ala., Birmingham—Watson Lumber Co., Inc., capital \$15,000, chartered; L. R. Watson, W. C. Daniel.

La., Lake Charles—Kushner Lumber & Building Co., Inc., capital \$25,000, chartered; E. and Sam Kushner, 806 Ryan St.

La., New Orleans—Prados-Steger Lumber Co., Inc., capital \$10,000, chartered; Julius Steger, 4024 Saratoga St.

Md., Thurmont—The West Virginia & Maryland Manufacturing Co. incorporated; Samuel D. McCloud, Chas. N. Cook; develop timber sections.

Mo., Joplin—The Duncan Klander Lumber Co., capital \$30,000, incorporated; J. E. Duncan, Pittsburg, Kan.

Tenn., Dove—A. A. Tate of Comfort, Tenn., rebuilt burned plant; let contract to Wheel and Machine Co., Chattanooga, for equipment, including self-feed ripper, cut-off saws and sawmill outfit.*

Tenn., Kingsport—Tennessee Eastman Corp., J. C. White, Gen. Supt., reported started work on 27-mile tram road extending from plant on Holston River to point near Honeycutt in Hawkins County; also erect 8-ft. band sawmill with daily capacity of 30,000 ft.; cost from \$75,000 to \$100,000; construction begun; mill to be operated under direction of J. W. Lee.

Tex., Amarillo—Douglas-Wood Lumber Co., capital \$30,000, incorporated; W. B. Douglas, C. L. Wood.

Metal-Working Plants

Tenn., Morristown—The Johnson's Spring Co. establish plant to manufacture springs for general upholstery purposes; has building of 10,000 sq. ft.

Mining

La., New Orleans—National Sand & Gravel Co., Inc., capital \$100,000, chartered; G. W. Testard, 1324 Arabella St.

Mo., Joplin—Reported negotiations are pending for purchase of Eagle-Picher Corp. by the American Smelting & Refining Co. Equitable Bldg., New York; plants are located at Joplin, Mo.; Ontario and Galena, Kan.; also zinc smelting plant at Henryetta, Okla.

N. C., Asheville—West Asheville Granite, Stone & Sand Co., capital \$100,000, incorporated; James H. Buckner, 337 Waynesville Ave.

Miscellaneous Construction

Fla., Jacksonville—Terminals—City Commission, Frank H. Owens, Chrmn., 2125 Laura St., advises: "Plans and specifications for proposed improvements at municipal terminals will be approved by Board at meeting July 7 and bids asked for."

Fla., Miami Beach—Boardwalk—City will build first unit of boardwalk along Lummus Park; E. R. Neff, City Engr. See Financial News—Bond Issues Proposed.*

Fla., Miami Beach—Pier—Miami Beach Pier Corp. has final permit for \$1,000,000 pier.

Fla., St. Cloud—Pier—L. E. Trickle making

plans for proposed municipal pier, extending from foot of Florida Ave. into lake distance of about 590 ft.

Fla., Stuart—Dock—City Comsn. let contract to Clyman Construction Co. of Fort Pierce for erection of concrete municipal dock.

La., Baton Rouge—Terminals—Baton Rouge Electrical & Machine Works, 523 Third St., has contract for electric lighting system for Baton Rouge Port Terminals; M. L. Shadburn, Res. Engr.*

Miss., Biloxi—Swimming Pool—Herbert G. Shimp Pres., and associates, of Chicago, Ill., 360 N. Michigan Ave., will soon begin construction of glassed-in swimming pool in connection with building amusement place to be known as "The Plantation" at Holm-haven, near Biloxi; Harry C. Moir, Prop. of Morrison Hotel, Chicago, will manage the spa. See Buildings Proposed, Miscellaneous.

Mo., Rocheport—Dike—See Drainage, Dredging and Irrigation.

Mo., Kansas City—Revetment—Kansas City Bridge Co., 510 Orear-Leslie Bldg., low bidder at \$219,876 for revetment work on Missouri River at Bon Homme bend.*

S. C., Charleston—Breakwater—Government reported appropriated \$15,000 to construct new breakwater, 602 ft. long, to protect quarantine station.

Tex., Corpus Christi—Wharf—Nueces County Navigation Dist. No. 1 let contract to Sumner-Sollitt Co., North Beach, at \$75,870, for creosoted pile wharf, 400 ft. long, 40 ft. wide with two tracks, standard creosoted pile construction, all piles having 24-lb. treatment and timbers 12-lb. treatment; Robert J. Cummins, Cons. Engr., Bankers Mortgage Bldg., Houston.*

Tex., Dallas—Incinerator—University Park City Comsn., 3800 University Blvd. contemplate building \$45,000 incinerator; A. C. Speer, City Sec.

Tex., Fort Worth—Subways—City, Missouri, Kansas City & Texas R. R. and Santa Fe R. R. Co. making plans for subway under Berry and Capps Sts. at railway crossings; estimated cost \$50,000; D. L. Lewis, City Engr.

Tex., Point Isabel—Major J. L. Schley, U. S. Dist. Engr., began construction of 18-ft. channel across bar connecting Lagune Madre with Gulf of Mexico; estimated cost \$500,000.*

Tex., San Antonio—Subway—City and Missouri Pacific Ry. Co. contemplate constructing subway under I. G. N. crossing on W. Commerce St.; estimated cost \$70,000 to be financed jointly; bids to be called for after adoption of plans; I. Ewig, City Engr.

Va., Alexandria—Swimming Pool—City appropriated \$12,000 for city's portion of new municipal swimming pool; Leopold Reuben interested in construction.*

Miscellaneous Enterprises

Ala., Birmingham—The Birmingham Electric Battery Co., 2029 Ave. B began work on \$35,000 building, cor. Second Ave. and Twenty-third St., 1-story, 100x125 ft. brick.

Ala., Birmingham—Ward Baking Co., 367 Southern Blvd., New York City, reported building plant cor. First Ave. and Fifteenth St., 150x182½ ft., first unit to be 3-story, devoted to making of cake; later contemplates erecting building facing Fifteenth St., for making of bread and other bakery products; total investment about \$1,000,000; other plants are in contemplation in Southern cities.

Ark., Garland—The Garland Warehouse Co., capital \$15,000, incorporated; J. T. Newton, J. W. Patton.

Ark., Hot Springs—Terry Dairy Co., of Arkansas, 341 Whittington Ave., let contract to H. E. Higgin & Co., 341 Whittington Ave., for \$25,000 plant, 52x120 ft., brick and concrete, composition roof, cement floors; install \$20,000 equipment, including ice cream freezers, pasteurizers, ice-making machinery, ice crushers, etc.; daily output 500 gal. ice cream, 500 lbs. butter, 1000 gal. milk and cream. (See Machinery Wanted Ice-Making Machinery; Pasteurizers; Ice Cream Freezers.)*

Florida—B. G. Dahlberg, Pres., the Celotex Co., 645 N. Michigan Ave., Chicago, Ill., advises work is progressing on Sugarland Drainage Dist.; 43,000 acres, of which 15,000 acres is intended for growing of cane; has purchased mill and properties of Florida Sugar & Food Products Co. at Canal Point, with about 5000 acres suitable for cane raising; near Clewiston about 1500 acres have been planted in cane for seedlings, to be available for development of larger tracts;

will take 18 to 24 months to bring large area into cane production, and by that time a sugar mill will be completed at Clewiston; as soon bagasse is available the Celotex Co. will build its mill.*

Florida—Southern Baking Co., Harry D. Tipton, Pres., Atlanta, will erect new plants at Tampa, Miami, West Palm Beach and Daytona; estimated cost over \$2,000,000; to be in operation by December 1; plans and specifications in hands of J. Edwin Hopkins, 41 Park Row, New York city; let contract to Peterson Oven Co. of New York, Chicago and San Francisco for 7 ovens (Petersen Travellers); with the four additions to present chain of ten plants will increase output to about 12,000,000 loaves bread annually, or 1,000,000 loaves monthly; provision is made for future expansion of plants; is holding company for: Stone Baking Co., Atlanta; Carolina Baking Co., operating in Charlotte, Greensboro and Gastonia, N. C.; Schafer Baking Co., Savannah; Dorsey Baking Co., Jacksonville; Seybold Baking Co., Miami; Lee Baking Co., Tampa and Orlando; Twin Cities Baking Co., Tampa.*

Fla., Hollywood—The Old Time Cigar Co. of Miami contemplates establishing plant; W. C. Neale, Box 954, Hollywood, interested.

Fla., Jacksonville—Moore Pipe and Sprinkler Co. organized; Charles J. Williams, Jr., Pres., 1045 Riverside Ave.; establish plant cor. State and Blanche Sts.; will probably erect building later.

Fla., Tampa—Thermalene Gas Corp., Linus Wolf, Pres., of Kankakee, Ill., reported, establish plant at Gilchrist Ave. and Fig St., and temporary office and demonstration room at 305 Jackson St.

Ky., Lexington—International Fruit Products Co., Dr. A. G. Payne, Vice-Pres., 3636 Roll Ave., Cincinnati, O., reported, erect \$100,000 factory and office building at Third St. and Walton Ave.; 180x61 ft., brick with terra cotta trimmings; receive bids about Aug. 1; John V. Moore, Archt.; will probably move plant from Cincinnati.

La., DeRidder—The Realart Amusement Co., Inc., capital \$50,000, chartered; J. C. Nichols.

La., Elton—McGee Hardware Co., Inc., capital \$10,000 chartered; Magnus McGee, Pres.

La., Lake Charles—Lake Charles Rice Milling Co. of Louisiana, Inc., J. Allen Foster, Pres., Merchants Exchange Bldg., reported let contract to Jack C. Hildebrandt for installing electrical equipment and fixtures.*

La., Lafayette—Crystal Plunge Swimming Pool, B. A. Lange in general charge, rebuilding burned bath houses, offices and pumping plant.

La., Monroe—The Brown Paper Mill Co., Inc., Geo. S. Holmes, V.-P. and Gen. Mgr., advises: Our engineer has not yet drawn plans for plant addition; no contracts, except for equipment, to be let until plans are completed. George F. Hardy, Cons. Engr., 305 Broadway, New York City, advises: The improvements contemplated to the Brown Paper Mill Co., Inc., consist of adding finishing equipment; paper machine and accessories, mixing and Jordan equipment with accessories, thickening and screening equipment, continuous pulp-washing equipment, additional revolving digesters, additional vacuum evaporators with accessories, additional recovery equipment with accessories, lime mud filter equipment and electric generating equipment, together with switchboard, transformers, wiring, conduits, etc.; structures will be provided to house the equipment.

La., New Orleans—Barge Line, etc.—Cowley Gulf Line, Inc., chartered; W. H. Cowley, 4032 Prytania St.

La., New Orleans—Galey Amusement Co., Inc., capital \$52,000, incorporated; Nicolo Evola, 637 St. Philip St.

La., New Orleans—Cascade Bottling Works, J. L. Robinson, Mgr., 1538 Music St., contemplates additions.

La., New Orleans—Mechanical Appliances—Dime-A-Dine Co., Inc., chartered; James H. Legendre, 204 Baronne Bldg.

La., New Orleans—Transportation—Estate of Newfield, Inc., capital \$10,000, chartered; Frank R. Newfield, 1454 Frenchman St.

La., New Orleans—Mississippi-Louisiana Syrup Co., W. R. Taylor, Pres., Louisiana Bldg., advises: "Organized company to take over plant and assets of the Mississippi Cane Syrup Co., 341 N. Diamond St., which was originally organized in Gulfport, Miss., and purchased plant formerly occupied by the Langhoff Bros. Co., New Orleans, increasing capacity from 1000 to 3000 cases daily.*"

Md., Baltimore—National Safety Appliances

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Corp., 105 E. Pleasant St., capital \$25,000, chartered; Walter A. Hearn, Geo. W. Sparks.

Md., Baltimore—The Fawn Pharmaceutical Co., Inc., 4204 Harford Terrace, capital \$10,000, chartered; Otto Schmidt, Salvatore De Marco.

Md., Baltimore—The Wood Hydraulic Hoist & Body Co., James and Cross Sts., reported, let contract for sales and service station, cost about \$75,000, acquired 100x172-ft. site cor. Taylor Ave. and Curtain St.

Md., Gaithersburg—Contracting—Allnutt & Sylvester, Inc., chartered; Harry A. Sylvester, Albert B. Allnutt.

Miss., Gulfport—Condiments—Horlock Sales Co., Inc., chartered; R. L. Horlock, Mrs. R. L. Horlock.

Miss., Natchez—Natchez Produce Co., capital \$15,000, incorporated; C. L. Longmire, N. Pearl St.

Mo., Kansas City—United States Register Co., 330 W. Fifth St., let contract to Duncan-Lynch Construction Co., Interstate Bldg., for 3-story and basement storage and distributing plant, 80x100 ft., \$60,000; R. H. Sannaman, Archt., Lee Bldg.*

Mo., Kansas City—Crane Chocolate Co., capital \$50,000, incorporated; F. B. Mertsheimer, 1017 Land Bank Bldg.

Mo., Kansas City—Economy Electrical Manufacturing Co., 14th and Agnes Sts., incorporated; Scott Kennedy, 936 W. Thirty-third St.

Mo., Kansas City—Missouri Hotel Co., capital \$40,000, incorporated; Frank A. Simmons, Seventy-seventh and Brooklyn Ave.

Mo., Kansas City—Kathrens Moving & Storage Co., capital \$50,000, incorporated; James H. Anderson, 1009 Scarritt Bldg.

Mo., Mexico—The Crown Laundry will erect building cor. Washington and Liberty Sts., 2 story, brick; to be occupied by Paramount Cleaning Co.*

Mo., St. Louis—Barbers' Supplies—Koken Companies, Texas Ave. and Sidney St., reported let contract for 75,000-gal. steel tank and tower to Chicago Bridge & Iron Works, 37 W. Van Buren St., Chicago, Ill.

Mo., St. Louis—Laundry—Walker Family Service Co., capital \$50,000, incorporated; B. J. Brinkman, 1829 Lame St.

Mo., St. Louis—Blue Ridge Bottling Co., capital \$30,000, incorporated; Isidore Oldani, 5212 Botanical St.

Mo., St. Louis—Liberty Publishing Co., incorporated; Ernest Schober, 4031 Greer St.

Mo., St. Louis—Leather Goods—Tobin-Hamilton Co., Inc., chartered; E. H. Kilek, 2907 Rauschenbach St.

Mo., St. Louis—Bakers' Equipment Co., incorporated; Frederick Menner, 4943 Lindell.

Mo., St. Louis—Clothing—The Diel-Grund Co., capital \$50,000, incorporated; Chas. H. Diel, 5591 Chamberlain St.

Mo., St. Louis—Millinery—St. Louis Straw Goods Corp., capital \$10,000, chartered; Chester L. Snyder, 5228 Alabama Ave.

Mo., St. Louis—Maryland Pharmacy, incorporated; Christ Hasenpflug, 1907 Locust St.

Mo., St. Louis—Clothing—Ideal Manufacturing Co., capital \$10,000, incorporated; Max Broida, 5315 Pershing Rd.

Mo., St. Louis—Mid-West Upholstering Co., capital \$20,000, incorporated; Geo. E. Wolfson, 6412 Enright St.

Mo., St. Louis—Fiorto Amusement Co., incorporated; Joseph Fiorto, 1021 Paul St.

Mo., St. Louis—David M. Flournoy, 107 Glen Rd., and Carrie F. Ellis reported will organize company; take over interests of the Alligator Co.; manufacture raincoats, etc.

N. C., Asheville—Clothing—La Creation Studio, Inc., capital \$35,000; W. Thomas, May Van Plancke.

N. C., Elkins—The Brewer Hotel Co., capital \$100,000, incorporated; Mrs. C. S. Brewer, H. L. Snead.

N. C., Greensboro—T. J. Murphy, 437 Church St., editor of the Greensboro Patriot, let contract for \$50,000 plant, 2 story, brick.

N. C., Lexington—Overalls—Siceloff Manufacturing Co., D. S. Siceloff, Owner, Pugh St., erect 2-story and basement addition; construction begun.

N. C., Winston-Salem—The Mengel Co., N. Winston, reported will erect \$250,000 plant to manufacture fiber boxes; construction to begin soon.

Okla., Durant—McKinney Hardware Co., capital \$20,000, incorporated; G. H. McKinney, Leda C. McKinney.

Okla., Hartsborne—Hartsborne Theater Co., capital \$10,000, incorporated; C. E. Mo-mand, Shawnee; H. B. Hopps, Oklahoma City.

Okla., Jenks—Kramer Mercantile Co., capital \$10,000, incorporated; Geo. J. Kramer, Tulsa.

Okla., Nash—Findly Hardware Co., capital \$25,000, incorporated; W. H. Findly and Audrey M. Findly.

Okla., Okmulgee—National Laundry Co. incorporated; J. A. Anderson, 318 N. Griffin St.

Okla., Sapulpa—E. J. Horton of the Oklahoma Leghorn Farm, Fleetwood, Okla., reported will move \$20,000 poultry farm to Sapulpa.

Okla., Tulsa—Gas Engineering & Construction Co., capital \$100,000, incorporated; Wm. G. Cummings, 1412 S. Boulder.

Okla., Tulsa—Twentieth Century Manufacturing Co., capital \$10,000, incorporated; Geo. Ziegler, 1320 S. Rockford St.

Okla., Wetumka—Packer Oil Well Cementing Co., capital \$100,000, incorporated; L. T. Case, Frank Meadows, Jr.

Tenn., Chattanooga—The Roofing & Supply Co., James Bldg., capital \$20,000, incorporated; J. W. Rowan, 1516 Kirby Ave.

Tenn., Knoxville—Rivoli Theater, Inc., chartered; C. H. Caut, J. V. McConkey.

Tenn., Memphis—World News Co., Inc., 110 Monroe St., incorporated; Charles Kemp, Jacob W. Cohen.

Tenn., Memphis—Isle Hotel & Apartment Bldg., Main and Vance Sts., capital \$125,000, incorporated; Joseph A. Isle.

Tenn., Nashville—American Bread Co., C. K. Evers, Pres., let contract to Boon Construction Co., Ind. Life Bldg., for \$65,000 building; construction begun; install \$60,000 equipment, including mixers, refrigeration machinery, flour-handling equipment, bread-handling equipment, etc.*

Tenn., Shelbyville—Musgrave Pencil Co., J. R. Musgrave, Owner, capital \$500,000, incorporated; under charter will manufacture slate, lumber, cedar oil and other by-products, graphite, crayons and pencils.

Tex., Athens—Deen Hotel Co., capital \$50,000, incorporated; T. L. Deen, Frank Ferrell.

Tex., Corsicana—Texas Paint Products Co., capital \$20,000, incorporated; S. H. Marks, Wm. Clarkson, Jr.

Tex., Dallas—Merchandise—Barrel-Head Stores Co., capital \$25,000, incorporated; Eugene Martin, L. T. Taber.

Tex., Dallas—Jones Pulley & Belt Manufacturing Co., capital \$20,000, incorporated; Albert Jones, S. H. Dean.

Tex., Dallas—Merchandise—E. G. Marlow Co., capital \$15,000, incorporated; Christian Weichsel, 5009 Swiss Ave.

Tex., Dallas—Willard Storage Battery Co., Chester and Prospect Aves., Cleveland, O., let contract to Inge & Burgher Construction Co., 1307 Main St., for industrial building on Griffin St.; J. A. Pitzinger, Archt., S. W. Life Bldg., Dallas.

Tex., Dallas—Swan Furniture Co., capital \$10,000, incorporated; Tom Hughes, 1113 S. Ervay St.

Tex., Dallas—Crawford-Irwin Building Co. incorporated; D. L. Irwin, Forest Ave. Rd.

Tex., Fort Worth—West Texas Produce Co., capital \$200,000, incorporated; Sam Lipshitz, Clarence Goldberg.

Tex., Fort Worth—Fort Worth Engraving Co., 43½ Jennings Ave., have leased building, entire equipment purchased for photo-engraving.*

Tex., Greenville—Jos. M. Moore and Joe Goodnight reported acquired plant of Perkins Printing Co., Jordan St.; plans not completed.

Tex., Groesbeck—Dallas-Houston-Xall Highway Assn. organized; J. K. Hughes, Pres., Mexia; Roy W. Christian, Sec., Corsicana.

Tex., Houston—Stauffer Chemical Co., Scanlan Bldg., increased capital, \$150,000 to \$250,000.

Tex., Houston—Merchandise—Ellington Field Wrecking Co., incorporated; Charles Abbott, W. K. Mattison.

Tex., Houston—Dixie Root Beer Co., capital \$10,000, incorporated; J. L. Dunn, R. G. Wills.

Tex., Houston—Merchandise—L. B. White Co., Inc., capital \$10,000, chartered; L. B. White, 317 Lidstone Bldg.

Tex., Houston—Schott Bakery, 3010 Wash-

ington St., let contract to J. B. Townsend, 542 West Bldg., for bakery addition, 1, 2 and 3 story, reinforced concrete and tile; cost about \$62,000; R. D. Steele, Archt., 510 First National Bank Bldg.

Tex., Houston—Emaco Derrick & Equipment Co., capital \$300,000, incorporated; S. P. Parish, Humble Bldg., W. A. Trout.

Tex., Houston—Merchandise—Ford Witherspoon Co., Inc., capital \$25,000, chartered; E. M. Wilson, Ford Witherspoon.

Tex., Houston—Merchandise—Landers, King & Smith, Inc., capital \$60,000, chartered; J. A. Landers, 505 Main St.

Tex., Laredo—T. M. Reid Teneriffe Onion Seed Co., capital \$10,000, incorporated; Dan Puc, C. H. Wright.

Tex., San Antonio—Thompson Candy Co., Inc., chartered; Chas. D. Hall, 515 W. Magnolia St.

Tex., San Antonio—Kerrville Hotel Co., capital \$140,000, incorporated; H. M. Harrison, 611 W. Ashby St.

Tex., San Antonio—Brownsville and Matamoros Municipal Bridge Co., capital \$10,000, incorporated; C. G. Marlott, R. M. Graeter.

Tex., Weslaco—Dr. L. Latham will remodel and erect addition to building, install complete equipment for laundry plant.

Tex., Wichita Falls—Texas Building Co., incorporated; Edgar P. Haney, Morgan Bldg.

Va., Covington—Bates Bag Valve Co., John E. Cornell, Pres., 8200 S. Chicago Ave., Chicago, Ill., reported acquired 2-acre site; will erect plant for manufacturing cement bags; Morton C. Tuttle Co., Boston, has construction contract; brick and steel factory, 80x240 feet.

Va., Danville—Waddill Printing Co. has permit for \$10,000 addition to recently acquired plant on Bridge St.

Va., Gastonia—Mercantile—Hope's, Inc., capital \$100,000, chartered; T. G. and E. M. Hope.

Va., Mooresville—Mercantile—The Prince Stores, Inc., capital \$50,000, chartered; Arthur and Louis Goodman.

Va., Norton—Norton Construction Co., capital \$100,000, W. F. Comann, Sec., changed name from Scott & Trinkle, Inc.

Va., Pulaski—Pulaski Engineering Works, Inc., incorporated; J. J. Seaver, Cleveland, Ohio; W. E. King, Pulaski.

Va., Raleigh—Electrical Appliance—Safety First Appliance Co., capital \$100,000, chartered; L. T. Penry, C. A. Dillon.

Va., Raleigh—Building Materials—Fitchett & Hall, Inc., capital \$100,000, chartered; Geo. F. Fitchett, M. I. Hall.

Va., Richmond—Venus Theater, Inc., chartered; W. F. Thorp, Mrs. Amanda E. Thorp, 105 S. Blvd. St.

Va., Richmond—Rosser Theater, Inc., chartered; Nathan Henry Nelson, 2112 E. Broad St.

Va., Roanoke—The Cave Spring Water Co., capital \$10,000, incorporated; D. B. Ferguson, Pres., R. F. D. No. 4.

Va., Roanoke—Chemicals, etc.—M. J. Patsel, Inc., capital \$20,000, chartered; M. J. Patsel, 379 Allison Ave. S. W.

W. Va., Clarksburg—Clarksburg Dairy Co., J. Wesley Law, Mgr., 230 Court St., let contract to the Walker & Curley Co., Pittsburgh & Lake Erie R. R., Pittsburgh, Pa., for plant at Hewes Ave. and S. Third St.; work begun.*

W. Va., Fairmont—Fairmont Newspaper Publishing Co. incorporated; James J. Coughlin, 328 Chicago St.

W. Va., Huntington—Owens Bottling Co. let contract to The Rust Engineering Co., 311 Ross St., Pittsburgh, Pa., for \$250,000 warehouse at Huntington plant, 400x485 ft., concrete and steel construction; contracts for other extensions and improvements to be awarded later.*

W. Va., Huntington—The Standard Ultramarine Co., Fifth Ave. and 24th St., reported awarded contracts for \$250,000 building, new unit adjacent to present plant, structural steel to be furnished by Huntington Iron Works, Adams Ave.; plans by Eugene Mahler, under direction of Major Henri Douriff, who is in charge of plant operations.

W. Va., Huntington—Compressed Gas Manufacturing Co., Wheeling, W. Va., reported contemplates establishing plant near Camden Park.

Motor Bus Lines and Terminals

Ark., Little Rock—Arkansas Transfer Co. let contract to J. H. Leveck Son, Reigler Bldg., for building at Fourth and Cumberland Sts.; 140x165 ft.; cost \$40,000.

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Ga., Valdosta—J. G. Hardison representing Abbott & Phillips, Norfolk, Va., has franchise for street car-bus service.

Mo., Charleston—F. H. Schofield acquired the Burton Lines operating between Sikeston and Poplar Bluff, Dexter and points south to the Arkansas line.

Ky., Pineville—Safety Coach Transit Co., W. D. Scalf, Pres.-Mgr., operates bus line from Corbin to Knoxville, Tenn.; with terminals at Corbin, Barbourville, Pineville, Middlesboro, Ky., and Knoxville, Tenn.*

Tenn., Chattanooga—Consolidation of five bus lines include the Chattanooga-Dayton Bus Line, Baker Bus Line, Shearer Bus Line, Southern Motor Coach Co. and Barker & Johnson Bus Line; will all operate from bus terminal at 1004 Market St., and operate present names.

Tenn., Chattanooga—Capt. Gordon Roper of Atlanta, Ga., owner and operator of Dixie coaches, will establish through service from Atlanta.

Motor Cars, Garages, Filling Stations

Ala., Anniston—Mallory Motor Co., capital \$10,000, incorporated; James D. Mallory, E. D. McLaughlin.

Fla., Bartow—Robt. Hatton, George C. Thompson and associates reported contemplate building storage garage; probably use for central bus station.

Ga., Atlanta—Massell Realty Co., 43½ Peachtree St. erecting \$25,000 tire storage and sales building corner Spring and Cain Sts.; 3-story and basement, 40x35 ft., reinforced concrete, gravel and slab roofing; construction by day work; contracts for material all let; to be occupied by General Tire & Rubber Co., 489 Peachtree St.

Ga., Columbus—McMurry Motor Co., J. H. McMurry, Pres., Wildwood Dr., will erect \$20,000 garage building on Sixth Ave., 2 story, 75x150 ft., brick and concrete, fireproof; install modern equipment.

Ga., Griffin—Gulf Refining Co. will erect \$15,000 filling station; acquired site on S. Hill St.

Ga., Savannah—Claude Nolan let contract to F. McRea, 11 Drayton St., for automobile sales office and garage on W. Broad St.; 1-story, Spanish style, 115x70 ft.; estimated cost \$50,000; Wallin & Comer, Archts., Realty Bldg.

Ky., Owensboro—Diamond Petroleum Co. has permit for filling station at Third and Allen Sts.

La., Monroe—Circle (S) Oil Co., capital \$20,000, chartered; W. J. Sherrouse of Winnsboro.

La., Monroe—Central Service & Storage, Inc., capital \$25,000, chartered; C. W. Sherrouse of Gilbert.

La., Monroe—Bell Motors, Inc., increased capital from \$16,000 to \$40,000; changed name from Bell-Whitfield Motor Co.

Md., Baltimore—The Federline Auto Co., 2032 E. Frederick Ave., will erect 59x70-ft. garage; Geo. Wessel Archt.; construction by owner.

Miss., Collins—Covington County Motor Co., capital \$20,000, incorporated; John M. Allred, W. I. Fancher.

Mo., Kansas City—B. & H. Drive-It-Yourself System, Inc., chartered; Daniel A. Bean, 4925 Troostwood Rd.

Mo., Palmyra—Pike County Motor Co., capital \$20,000, incorporated; A. V. Ely, C. W. Hamlin.

Mo., St. Louis—Latta Motors Corp., capital \$50,000, chartered; A. T. Latta, 4100 Flora Blvd.

Mo., Sedalia—Ross - Darling - Henderson Motor Co., capital \$10,000, incorporated; W. W. Ross, E. B. Darling.

Mo., St. Louis—Houston-Gregory Lines begun operation, connecting St. Louis by bus line with 160 other cities in Missouri, Illinois, Arkansas, Tennessee and Mississippi.

N. C., Charlotte—The North Charlotte Motor Co., capital \$50,000, incorporated; C. H. Sears, J. S. Osborne, 32nd St.

N. C., Newton—Smyer Motor Co., capital \$10,000, incorporated; Sid J. Smyer, Thomas M. Warlick.

N. C., Wilmington—Automobile—Cleveland Sales, Inc., capital \$10,000, chartered; H. W. Wilburn, E. F. Townsend.

Okla., Hugo—Marland Oil Co. will erect filling station at Jackson and Second Sts.

Tenn., Knoxville—J. Frank Baker, Broadway Pike, acquired 135x150 ft. site on State St., plans erecting 3-story garage, filling station and accessory shop; estimated cost \$50,000 to \$75,000.

Tenn., Knoxville—Rodgers & Co., 900 S. Gay St., will soon begin construction of \$75,000 garage building at 617-23 W. Main Ave.; 100x300 ft., equipped with automobile and accessory sales house, filling station and service dept.; International Steel & Iron Co. of Evansville, Ind., Archts., receiving bids.*

Tenn., Maryville—Sam T. Broyles soon begin construction of filling station on W. Main St.

Tenn., Memphis—Quigley Tire & Rubber Co. will erect \$20,000 service station on Linden St.; Regan & Weller, Archts., Bank of Commerce Bldg., receiving bids.

Tenn., Memphis—P. J. Quigley, 493 N. McNeill St., let contract to McKnight & Fincher, 63 S. Third St., for \$15,000 garage on Union Ave.; steel, brick and concrete, built-up roof; Regan & Weller, Archts., Bank of Commerce Bldg.

Tenn., Memphis—Union Chevrolet Co., B. F. McCreery, 1020 Union Ave., having plans made by Geo. Mahan, Jr., for station No. 2, corner Union Ave. and Wellington St.; third station is contemplated within six months.

Tenn., Nashville—O. F. Noel Estate, 53 Noel Block, let contract to H. P. Jacobs Contracting Co., Independent Life Bldg., for \$218,000 storage garage at Third and Church Sts., 10 story, 100x175 ft., concrete, brick and steel.*

Tenn., Nashville—Gulf Refining Co. of Louisiana acquired site corner Twenty-fourth and Elliston St.; probably erect filling station.

Tex., Corsicana—L. O. Larrison contemplates building \$15,000 garage and filling station, brick and concrete.

Tex., Cotulla—Hoff Chevrolet Co. will erect 1-story, 60x105-ft. auto sales and showroom building, brick and concrete; J. Clyde and Percy W. Williams, Archts., Moore Bldg., San Antonio.

Tex., Cotulla—H. N. and L. E. Beakley receiving bids for garage; 1-story, hollow tile, stucco and cast stone; estimated cost \$20,000; P. G. Silber & Co., Archts., Bedell Bldg., San Antonio.

Tex., Galveston—Four Hundred Auto Supply Co., capital \$15,000, incorporated; W. J. Patterson, 3612 N½ St.

Tex., Greenville—C. P. Neville will erect addition and remodel garage and sales room; brick and reinforced concrete; estimated cost \$50,000; Lindsey & Kilmer, Archts., Perkins Bldg.

Tex., Houston—J. L. Jones let contract to Henry H. Yates, 1213 Wrightwood St., at \$12,683 for garage on Dallas St., near Austin; J. W. Northrup, Jr., Archt., West Bldg.*

Tex., Houston—Rice-Coppinger Motor Co., incorporated; Calder Rice, Walter Coppinger.

Tex., San Juan—The Gulf Refining Co. acquired site; erect \$12,500 service station, brick and concrete, frame construction.

W. Va., Charleston—D. L. Shambin let contract to W. L. Dodd, 124 Summers Ave., for 2-story garage on Tennessee Ave.; 40x152 ft., brick and concrete, built-up roof, concrete floors; cost \$11,000.*

Tex., Abilene—S. M. Shelton will erect \$12,000 garage and sales room at South First and Elm Sts.; 1-story, 100x130 ft., brick and reinforced concrete, fireproof; tile floors.

Tex., Amarillo—J. Roy Smith, Archt., 310 Blackburn Bldg., preparing plans for \$35,000 automobile building, 2-story, 60x140-ft., brick, steel and reinforced concrete, fireproof.

Tex., Amarillo—Emery Motor Co. let contract to A. C. Hancock of Abilene for \$15,000 garage and sales room, 1-story, brick.

Tex., Madisonville—Gray Motor Co., capital \$15,000, incorporated; J. E. Gray, J. W. Minton.

Tex., Waco—Davis Tire Co. incorporated; C. A. Davis, S. D. Wise.

Va., Winchester—Northern Virginia Motor Co., Inc., capital \$25,000, chartered; Morris F. Taylor, Pres.

W. Va., Fairmont—Cedar Bluff Co., capital \$10,000, incorporated; Frank Hayden.

Railways

W. Va., Rainelle—Sewell Valley Railroad, it is reported, plans to build an extension from Rupert, W. Va., up Big Clear Creek, 12 miles, to coal and timber lands. T. W. Raine, Rainelle, is president.

Railway Shops and Terminals

La., Goulsboro, mail McDonoghville—E. F. Mitchell, Ch. Engr., Texas & Pacific Ry. Co., 1003 T. & P. Bldg., Dallas, Tex., advises:

"The TP-MP Terminal R. R. of New Orleans, jointly owned by the Texas & Pacific Ry. Co. and Missouri Pacific R. R. Co., has started work on rebuilding and enlarging its terminal facilities at Goulsboro, La., opposite New Orleans; work consists of complete reconstruction of yard to provide train yard classification and boat yards, new incline for boat transfer and incident thereto will be constructed, new 16 stall brick roundhouse, locomotive shop with 6 pits served by 100 ton crane, heavy machine shop bay served by 10 ton crane, light machine shop bay, boiler and blacksmith shops; building will be approximately 125x200-ft., of steel frame construction, side walls of steel sash; brick store room, modern boiler washing plant, power house and other incident facilities; the entire project is estimated to cost \$1,700,000; plans prepared by Engineering Dept. under direction of Ch. Engr., and except for buildings work will be done by company forces; contracts have not yet been awarded for building construction, as yard arrangements are first necessary.*

Mo., Nevada—Missouri Pacific R. R. Co., E. A. Hadley, Ch. Engr., St. Louis, Mo., reported has plans for 1-story addition to engine house and repair shop, estimated cost \$100,000.

W. Va., Williamson—John P. Pettyjohn & Co., 212 Eighth St., Lynchburg, Va., advises has contract for \$45,000 motive power office building for Norfolk & Western Ry. Co., 5-story, brick walls, steel frame, concrete floors.*

Roads, Streets and Paving

Large sums are being expended for roads, streets and paving in connection with Land Development operations. Details will be found under that classification.

Proposed Construction

Arkansas—State Highway Comn., Little Rock, received low bids for 7 roads and 4 bridges: Corning-Piggott Road, 1300 ft. timber bridges, J. W. Covington, Benton, \$26,864; 1½ mi. gravel, Tolbert Brothers & Co., Paragould, \$13,041; Green County, 4¼ mi. gravel, Marmaduke - Halliday - Bunnell-Mack, Paragould, \$42,692; Crawford County, 9 mi. grading and drainage, Alma-Mulberry, E. L. Terry, Brinkley, \$61,753; Independence County, 11 mi. grading and drainage, Batesville-Heber Springs, M. E. Gillioz, Monnett, Mo., \$64,342; Pike County, Caney Creek bridge, Merritt & Merritt, Hot Springs, \$9782; Calhoun County, 14 mi. grading and drainage, Camden-Hampton, Mississippi-Arkansas Construction Co., Little Rock, \$47,384; St. Francis County, 3¼ mi. gravel, Marianna-Hughes, A. M. Tucker, Hughes, \$20,000; Montgomery County, Ouachita River bridge, Lutten Bridge Co., Little Rock, \$35,170; Lafayette County, 6 mi. grading and structures, Hope-Lewisville, L. F. French, Texarkana, \$21,984; Conway County, Point Remove Creek Bridge, Independent Bridge Co., Memphis, \$26,159.

Ala., Opelika—City, H. K. Dickinson, Mayor, receives bids July 19 for 22,000 sq. yd. concrete street paving, 13,700 lin. ft. integral curb, 7700 cu. yd. excavation, 2200 lin. ft. storm sewers; plans from City Clk. and Robert L. Totten, Inc., Conslt. Engrs., Birmingham.

Ark., Bentonville—City Commrs. receive bids July 20 for paving in Bentonville Paving Dist. No. 1.

Ark., Fort Smith—City plans paving Clay St., Cane Hill to North Eleventh. Address City Clk.

Ark., Hot Springs—Commrs. of Street Improvement Dist. No. 92, Eastman Hotel Dist., plan paving parts of Reserve Ave. and Spring, Cottage and Pleasant Sts. Address City Clk. Fowler.

Ark., Hoxie—City plans paving 1 mi. Texas St.; graveling Lindsay St. Address City Clk.

D. C., Washington—Dist. Commrs., Melvin C. Haze, Dist. Surveyor, plan widening Nichols Ave., 33 to 110 ft., from Congress Heights to Atlantic St.

D. C., Washington—Dist. Commrs. received low bids at about \$25,000 for 37,000 cu. yd. grading on various streets: District Foundation Co., G. B. Mullin Co., 1296 Upshur St. N. W.; W. F. Breinzer.*

Fla., Apalachicola—State Road Dept., Tallahassee, receives bids Aug. 3 to grade and construct drainage structures, 7.89 mi. Road No. 10, Franklin County, from Gulf County line to Apalachicola; plans on file; J. L. Cresap, State Highway Engr.

Fla., DeLand—Volusia County Commrs.,

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contemplate 15 mi. resurfacing with asphalt surface treatment, slag cover, New Smyrna-DeLand road, also concrete arch bridge across South Canal, New Smyrna; W. P. Wilkinson, Chmn.; N. A. Hotard, Civil Engr., New Smyrna.

Fla., DeLand—Volusia County Commrs., W. P. Wilkinson, Chmn., plan 14.6 mile DeLand-Flagler County highway, \$380,000 authorized; N. A. Hotard, Civil Engr., New Smyrna.

Fla., Everglades—State Road Dept., Tallahassee, receives bids soon to build State Road No. 27, Tamiami Trail in Collier County; J. L. Cresap, State Highway Engr.

Fla., Marianna—City, Claude Davis, Clk., receives bids July 20 for 43,400 sq. yd. one-course concrete, sheet asphalt, asphaltic concrete or Warrentite bitulithic pavement, 23,850 cu. yd. excavation, 40,800 lin. ft. combined curb and gutter, 9000 lin. ft. storm and 14,000 lin. ft. sanitary sewers; plans on file, from City Engrs. and from Robert L. Totten, Inc., Consult. Engrs., 1414 N. 30th St., Birmingham, Ala.

Fla., Miami Beach—City, C. A. Renshaw, Mgr., receives bids July 21 to pave Meridian Ave., causeway approaches Alton Road, and alley; approximate cost \$40,000; also lay sidewalks, approximate cost \$8000; Ed. R. Neff, City Engr.

Fla., New Smyrna—City plans widening Canal St., west of Florida East Coast Ry., from Myrtle Ave. to city limits. Address City Clerk.

Fla., Orange Park—City plans grading and paving 3 streets and resurfacing one street, cost \$75,000. Address City Clk. See Financial News—Bond Issues Proposed.

Fla., Palmetto—City, E. H. Mason, Clk., receives bids about Aug. 3 for street paving, etc.; cost \$150,000; F. K. Webb, City Engr.*

Fla., Sarasota—City, J. R. Brumby, Jr., Commr. of Public Works, receives bids July 19 for 3711 sq. yd. concrete sidewalk paving.

Fla., Tampa—Hillsborough County Commissioners, W. E. Dickenson, Clk., receives bids soon to pave Louisiana and Sterling Aves.

Fla., Tampa—City, Wm. E. Duncan, Clk., receives bids July 27 for 29,242 sq. yd. 2½-in. asphalt block pavement, including sand cushion; 32,537 sq. yd. 6-in. shell base, including grading; 16,598 lin. ft. concrete curbing; plans from City Engr.

Fla., West Palm Beach—City, H. J. Daugherty, Clk., receives bids July 20 to improve streets in Paving Dist. Nos. 6-B and 6-C; 110,000 cu. yd. grading, 910,900 sq. ft. sidewalks, 156,200 sq. ft. driveways, 146,000 lin. ft. concrete combined curb gutter, 313,700 sq. yd. paving; 26,800 ft. sewers, 485 catch basins; plans from C. A. Bingham, City Mgr.; T. B. Henry, City Engr.

Ga., Atlanta—City, Walter A. Sims, Mayor, received low bids for 5 streets, totaling 11,297 sq. yd., at \$24,875; Jamieson & Howell; Meador Construction Co.

Ga., Quitman—City Commrs. and Brooks County Commrs. plan paving Screven St. to connect county paved roads; estimated cost \$70,000.

Ga., Savannah—State Highway Dept., East Point, receives bids July 20 for 44 mi. concrete or asphalt paving, Coastal Highway, between Savannah and Brunswick; plans on file; W. R. Neel, State Highway Engr.

Kentucky—State Highway Comm., Frankfort, receives bids July 26 for grading 10 roads: Bath County, 4.5 mi. Salt Lick-Farmers road; Caldwell and Hopkins Counties, 10.8 mi. Princeton-Dawson Springs; Floyd County, .9 mi. Mayo Trail, Prestonburg to Allen; Bath County, .5 mi. approaches to bridge on Mayo Trail; Green County, 6.9 mi. Greensburg-Hodgenville, Allendale to Mt. Sherman; Hardin County, 4.7 mi. Bradenburg-Vine Grove-Ratcliffe road; McCracken County, 7.2 mi. Paducah-Wickliffe road; Letcher County, 8.1 mi. surfacing Pound Gap-Seco road; Shelby County, 5.9 mi. Shelbyville-Mt. Eden; Spencer County, 6.6 mi. Taylorsville-Bloomfield; Union County, 9.5 mi. Morgantown-Marion road, and 5.5 mi. same road; E. N. Todd, State Highway Engr.

Ky., Carlisle—State Highway Comm., Frankfort, plans rebuilding about 2½-mi. Moorefield Turnpike, from intersection Cane Run Road to Moorefield.

Ky., Elkton—Todd County Commrs. plan road building. See Financial News—Bond Issues Proposed.*

Ky., Franklin—City, P. E. Lewis, Mayor, receives bids July 27 to grade, construct concrete curb and gutters, resurface present macadam pavement for foundation, lay new macadam foundation, surface foundation with rock asphalt, 24,060 sq. yd. surface, 9960 lin.

ft. concrete curb and gutter, 4250 lin. ft. concrete shoulders, 3000 cu. yd. roadway excavation; plans from Mary D. Edwards, Clk., and Klyce & Harrub, Engrs., 506 Fourth & First National Bank Bldg., Nashville, Tenn.

Ky., Greenville—Muhlenberg County plans improving roads, including road from Central City south to Drakesboro; 6 mi. road from Graham to White Plains, cost \$500,000. Address County Commrs. See Financial News—Bond Issues Proposed.

Ky., Henderson—City, Marvin D. Eblen, Mayor, receives bids July 24 to improve 5 streets, including Letcher, Dixon and Alvasia; plans on file and from Commr. of Public Works.

Ky., Loudon—Laurel County Commissioners plan road building; cost \$200,000. See Financial News—Bond Issues Proposed.

Ky., Morganfield—State Highway Dept., Frankfort, receives bids July 26 for 16-mi. gravel surfacing on Ohio River Route, Union County, to Crittendon County line; also plans 13-mi. gravel surfacing on Ohio River Route, Crittendon County, from Union County line to Marion.

Louisiana—Louisiana Highway Comm., Baton Rouge, received low bids for 8 roads: Union Parish, 11 mi. Farmerville-Bastrop Highway, I. M. Goldberg, Abbeville, \$69,814; Ascension Parish, 321 mi. St. Ament-Port Vincent, Young & DeBritton, Zachary, \$20,105; Claiborne Parish, 6,739 mi. Haynesville-Berline, R. C. Norris, Farmerville, \$41,634; Beauregard Parish, 11.22 mi. DeRidder-Oberlin, and 4.95 mi. Rustville-DeRidder, Wimberly & Barbour, Church Point, La., \$82,167 and \$50,051; Allen Parish, 11.723 mi. Oberlin-DeRidder, E. Fisher & Son, Opelousas, \$105,649; Webster Parish, 8.20 mi. Minden-Springhill, L. M. Wimberly Construction Co., Arcadia, \$44,658; St. Martin Parish, 4.06 mi. New Iberia-St. Martinsville, G. A. Shows & Co., Lafayette, \$15,259.

La., Cameron—Cameron Parish Police Jury plans road between Cameron and Creole.

La., Monroe—City, P. A. Poag, Sec., 506 Calypso St., receives bids July 16 to pave Rochelle Ave. and Peach St. with asphaltic concrete; 2500 cu. yd. grading, 2425 sq. yd. asphaltic concrete paving; 3 manholes, 4 inlet boxes; plans from City Engr.

La., Monroe—City plans extending Harrison St. from Sixth to Jackson St. Address City Clk.

Maryland—State Roads Comm., 601 Garrett Bldg., Baltimore, receives bids July 20 for 2 roads: Montgomery County, .4 mi. concrete along Seventh St. Pike, through Silver Spring, Cont. M-72; Baltimore City, .48 mi. sheet asphalt along Belair road, Southern to Franklin Ave., Cont. BC-62; John N. Mackall, Chmn., Garrett Bldg.; L. H. Stewart, Sec.

Md., Baltimore—Board of Awards received low bid from Baltimore Asphalt Block & Tile Co., Monroe and Lorman Sts., at \$28,882, for 8150 sq. yd. sheet asphalt on concrete, Cont. No. 350; Geo. Long Contracting Co., First Ave. and 12th St., at \$12,000, for 4735 sq. yd. cement concrete, Cont. No. 351.*

Md., Baltimore—Board of Awards receives bids July 21 to grade, curb and pave with 9920 sq. yd. sheet asphalt on concrete base, streets in Cont. No. 353; 27,000 sq. yd. cement concrete, Cont. No. 354; Steuart Purcell, Highways Engr.; B. L. Crozier, Ch. Engr.; Howard W. Jackson, Mayor.

Md., Baltimore—Board of Estimates approved plans for paving sections of 14 streets, including Poplar Grove, Mosher, Woodland; estimated cost \$105,500; Howard W. Jackson, Mayor.

Md., Frederick—City, Lloyd C. Culler, Mayor, plans laying curbs and gutter on West Seventh St. and Trall Ave. and West South St., Center to Jefferson.

Miss., Collins—Covington County Commrs. plan improving Lone Star Route, Brookhaven to Laurel, cost \$50,000. See Financial News—Bond Issues Proposed.

Miss., New Augusta—Perry County plans 15 mi. grading, bridges, graveling, etc., various roads; J. L. Wheless, Engr., Hattiesburg.

Miss., Pontotoc—State Highway Dept., Jackson, lets contract July 23 for 10.193 mi. Pontotoc-New Albany Road; H. C. Dietzer, State Highway Engr.

Miss., Wiggins—City plans grading and hard surfacing various streets; cost \$25,000; J. L. Wheless, Engr., Hattiesburg.

Miss., Winona—State Highway Dept., Jackson, plans grading, gravel surfacing, etc., Beats 1 and 4, Jeff Davis Highway, south to Carroll County line, and east and west, Montgomery County; cost \$250,000; H. C. Dietzer, State Highway Engr.

Miss., Vicksburg—Warren County Board of Supvrs. plans road from Oak Ridge to Yazoo line via Russellville.

Mo., Canton—City, George L. Martin, Mayor, receives bids July 16 for 6400 ft. 24 in. gutters, 16 catch basins, etc., estimated cost \$10,000; plans from W. B. Rollins & Co., Engrs., 521 Railway Exchange, Kansas City, Mo.

Mo., Cape Girardeau—City, Louis Wittmore, Supt. of Streets, receives bids about July 15 for 3200 ft., 30-ft. 6-in. plain concrete, 1:2:3 mix, paving, 9275 sq. yd. concrete, 6325 lin. ft. curbing and gutter, 14,300 cu. yd. excavation; E. L. Sailer, City Engr., 210 N. Sprigg St.*

Mo., St. Louis—Board of Public Service received low bids at \$173,272 to pave 8 streets: Trinidad Asphalt Manufacturing Co., Ninth and Edwards Sts., asphalt; Webb-Boone Paving Co., Wanda Ave., asphalt concrete, Lorraine Ave., Willite; Eyerma Construction Co., Atkins Ave., Thirty-eighth and Wyoming St., Amesite; Shrainka Construction Co., Penrod St., Amesite.

Mo., St. Louis—Board of Public Service receives bids July 17 to improve Delor St., Grand Blvd. to Bay Ave., and rebuild Hartford St., Grand Blvd. to Morgan Ford road; plans from Pres.

Mo., Springfield—City plans paving Monticello St. and Sherman Ave. Address City Clerk.

Mo., Unionville—City plans paving, curbing, guttering and draining Seventeenth St., Main to Lincoln. Address City Clerk.

N. C., Greensboro—Guilford County Commissioners plan highway between Greensboro and High Point.

N. C., Greenville—City, D. M. Clark, Mayor, plans paving various streets with reinforced concrete, etc.; cost \$40,000.

N. C., Rocky Mount—Rocky Mount Road Dist. Board of Commrs., F. P. Spruill, Sec., receives bids July 24 for 12.1 mi. hard-surfaced road from Rocky Mount toward Pine-tops, 112,940 sq. yd. 6-in. 16-ft. concrete pavement, 50,500 cu. yd. excavation and borrow; plans from Engr., First National Bank Bldg., Rocky Mount.

N. C., Shelby—City, A. P. Weathers, Mayor, receives bids July 20 for 9050 sq. yd. concrete sidewalks, 1260 cu. yd. excavation.

Okla., Ada—City Comm., Lee Daggs, Clk., receives bids July 20 to pave 13th and 18th Sts., in Improvement Dist. No. 18, with 6-in. plain concrete pavement, grading, drainage, curb, gutter, headers, etc.; Black & Veatch, City Engrs., Kansas City, Mo.

Okla., Tulsa—Tulsa County Commrs. plan 1 mi. hard-surface road above Wekiwa and 1 mi. hard-surface road at Jenks.

Okla., Tuttle—City plans 10,100 sq. yd. sheet asphalt street paving, cost \$41,600; Gantt-Baker Co., Engrs., 1116 W. Main St., Oklahoma City. See Financial News—Bond Issues Proposed.

S. C., Gaffney—City plans street and sidewalk paving, cost \$100,000. Address City Clk. See Financial News—Bond Issues Proposed.*

S. C., Lancaster—State Highway Dept., Columbia, receives bids July 20 for 4.183 mi. State Route No. 9, and reinforced concrete bridge over Flat Creek, from road to Midway School to Mungo's Store, 69,506 cu. yd. excavation, 4887 cu. yd. sand-clay surfacing, 6879 cu. yd. topsoil surfacing, 5684 lbs. reinforcing steel; six 22-ft. spans, 35,681 lbs. reinforcing steel; plans on file and from State Highway Engr., 1708 Sumter St.; Samuel McGowan, Ch. Highway Commr.

Tenn., Chattanooga—Hamilton County Commrs. plan concrete highway up Lookout Mountain, and improving roadways from mountain terminus of concrete road to United States government park.

Tenn., Greeneville—Greene County Court plans road from Rolin's Store on Bird's Bridge Road to Allen Stand, N. C., connecting Bird's Bridge Road with Lonesome Pine Trail; cost \$10,000,000. Address County Commrs.

Tenn., Linden—Perry County Commrs. plan roads in first and second districts, to connect with state highways through county, cost \$50,000. See Financial News—Bond Issues Proposed.

Tex., Abilene—Taylor County, Carlos D. Speck, County Judge, receives bids Aug. 2 for grading and bridges on 3 roads: 11.585 mi., Highway No. 1, Trent east through Merkel to point 10 mi. west of Abilene, estimated cost \$49,800; 1.621 mi. Highway No. 1, Trent to Nolan County line, estimated cost \$4500; 6.63 mi. Highway No. 1-A, Abilene to Callahan County line, estimated cost \$81,115; L. C. McCanlies, Res. Engr.

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Tex., Abilene—City, M. S. Seller, Sec., receives bids July 16 for sidewalks and curbs for Alta Vista and Valley View Public School sites.

Tex., Alamo—City, J. G. Cox, Mayor, plans street paving; cost \$40,000 to \$50,000; about 60 blocks, 6-in. gravel base, 1-in. asphalt top. See Financial News—Bond Issues Proposed.

Tex., Anderson—Grimes County Comms. Court, Ralph V. Barry, County Judge, received low bid from Johnson Bros., Austin, at \$64,127 for 8,800 sq. yd. grading and drainage structures, State Highway No. 90, Singleton to Madison County line.*

Tex., Carthage—Panola County, Thos. E. Boren, County Judge, plans 8.916 mi. grading and bridges, Highway No. 64, D. E. Martin, County Engr.

Tex., Clarksville—City plans street paving; cost \$50,000. Address The Mayor. See Financial News—Bond Issues Proposed.

Tex., Conroe—Montgomery County, W. H. Lee, County Judge, plans 6.31 mi. grading, bridges and gravel surfacing Highway No. 19; R. H. Spiller, County Engr.

Tex., Dallas—City plans widening Beckley Ave. to 100 ft. within city; also paving Exposition Ave. from main entrance of Fair Park to Grand Ave entrance; estimated cost \$12,000 to \$15,000; R. M. Wylie, Commr.; E. A. Wood, City Planning Engr., 3700 Maplewood Ave.

Tex., Galveston—City Comms. plan street paving, cost \$200,000; C. A. Holt, 3806 Pth St., City Engr., See Financial News—Bond Issues Proposed.*

Tex., Gonzales—Gonzales County, J. C. Romberg, County Judge, plans 5.417 mi. gravel and asphalt surface, Highway No. 3, between Gonzales and Guadalupe County line; J. C. Irby, Res. Engr., Nixon.

Tex., Greenville—Hunt County, N. E. Peak, County Judge, plans .97 mi. 30 ft. concrete paving Highway No. 34, Greenville to Wesley College; estimated cost \$50,000.

Tex., Houston—City, H. A. Gilles, City Comptroller, plans street paving, cost \$350,000; paving Turning Basin roadways, \$250,000. See Financial News—Bond Issues Proposed.

Tex., Houston—City, O. F. Holcombe, Mayor, receives bids to grade, construct drainage structures and shell-surface street, from Sixty-ninth St. bridge to subways under G. H. & S. A. Ry.; estimated cost \$30,000; J. C. McVea, City Engr.

Tex., Jourdan—Atascosa County Comms. Court, Earl D. Scott, County Judge, receives bids July 30 for 4.633 mi. macadam base course, Highway No. 9-A, Jourdan to Pleasanton.

Tex., Karnes City—Karnes County, D. O. Klingeman, County Judge, plans 5.838 mi. asphalt macadam, Highway No. 16; E. G. Fehrenkamp, County Engr.

Tex., Madisonville—State Highway Dept. Hal Moseley, Chmn., Austin, receives bids July 27 for 12.562 mi. grading and bridges, State Highway No. 21, Madison County, Madisonville to North Zulch, 156,111 cu. yd. excavation and borrow, 104,183 lbs. reinforcing steel, 1156 sq. yd. 2-in. amiesite or 2-in. bituminous concrete pavement; plans on file and from S. J. Granberry, County Engr.; A. C. Love, State Highway Engr.

Tex., Weatherford—State Highway Comn., Hal Moseley, Chmn., Austin, received low bid from Miller Construction Co., Wilson Bldg., Dallas, at \$423,010, for 16.59 mi. bituminous macadam surfacing on black base, State Highway No. 1, Parker County, Weatherford to Palo Pinto County line.

Va., Alexandria—City plans bituminous streets with concrete curb and gutter, and "bessemit" streets on cobblestone base, also sewer improvements, approximate cost \$100,000. Address City Clerk.

Va., Norfolk—Greenwood-Lohman Co., operators in South Virginia Beach properties, plan concrete road from Rudee Inlet southward parallel with beach.

Va., Portsmouth—State Highway Comn., H. G. Shirley, Chmn., contemplates paving 4 mi. road from Norfolk to Richmond, via Suffolk and Petersburg.

W. Va., Charleston—Kanawha County Court plans building 5 roads in Washington Dist., cost \$61,000. Address County Comms. See Financial News—Bond Issues Proposed.*

W. Va., Lewisburg—Greenbrier County Comms. plan road building in Anthony's Creek Dist. from White Sulphur Dist line to Pocahontas County line. See Financial News—Bond Issues Proposed.

W. Va., Mannington—City Comn., S. E. Phillips, Mayor, plans paving Buffalo St.,

Houghton Addition, with brick; Emmett Mockler, City Clk.

W. Va., Wayne—State Road Comn., Charleston, receives bids July 23 for 6.2 mi. concrete pavement and gravel surfacing, Echo-Fort Gay road, Wayne county; plans on file from H. O. Wiles, County Engr., or H. J. Spilman, Div. Engr., Huntington.

W. Va., Welch—City plans paving about streets, including Oak and Canal; cost \$75,000; L. A. Osborn, Engr. See Financial News—Bond Issues Proposed.*

Contracts Awarded

Ala., Auburn—City, Dr. C. S. Yarbrough, Mayor, let contract to Couch Construction Co. to pave 10 blocks in residence section.*

Ala., Birmingham—City Comn. let contracts at \$170,063 to pave 6 streets; H. N. Bowdry, Dunn Construction Co., Southern Road Co., all Birmingham, and John Hamm.*

Ark., Helena—City let contract to Hogan Construction Co., Memphis, at \$154,236 for paving 36 blocks of streets.

D. C., Washington—Dist. Comms. let contract to Corson & Gruman, Thirty-third and K N. W., at about \$300,000 for 50,000 sq. yd. asphalt on concrete base; 50,000 sq. yd. asphalt surface.

Fla., Hollywood—Highway Construction Co., Guarantee Title Bldg., Cleveland, Ohio, and Miami, Fla., has contract, at \$1,000,000, for streets and sidewalks in central beach and lake section of Hollywood.

Fla., Jacksonville—Duval County Comms. let contract to Duval Contracting & Engineering Co., at \$23,555 for 4000 ft. 16-ft. wide, 2½-in. penetration surface of lake asphalt, 6-in. concrete curbs on Third Ave., Jacksonville Beach.*

Fla., Punta Gorda—Charlotte County let contract to Broadbent Construction Co. at \$1,711,000 to hard surface roads in county. Address County Comms.

Fla., St. Petersburg—Coleman Concrete Co., St. Petersburg, 1115 Hanson Ave., has contract for sidewalks and curbing in Shore Acres.

Fla., Tampa—Hillsborough County Comms. let contract to Langston Construction Co., at \$738,000 to pave streets in 10 units of Bel-Mar sub-division, and roads in Palma Vista and Belle Vista sub-divisions; to Highway Construction Co., Guarantee Title Bldg., Cleveland, Ohio, and Miami, at \$100,000, to pave streets in Elizabeth Court.

Fla., West Palm Beach—City, H. J. Daugherty, Mgr., let contract to R. G. Lassiter Construction Co., Raleigh, N. C., at \$1,547,776 for street paving in Dist. 6-A.*

Miss., Gulfport—Harrison County Board of Suprvs., Eustis McManus, Clk., let contract to Southern Paving Construction Co. at \$66,122 for 5½ mi. Warrenton on gravel surface, shell and slag base, Pass Christian-DeLisle road, from Pass Christian to DeLisle school.

Miss., Meridian—Lauderdale County Board of Supervisors let contracts for 2 roads; from Causeville Road to Camp Meridale, M. Brown; from Jackson road to Business and Professional Woman's Club Camp, near Point, J. D. Thomas.

Miss., Pascagoula—State Highway Dept., Jackson, let contract to Moore Construction Co., Biloxi, at \$132,000 to hard surface 4½ mi. Jackson County highway, from Harrison County line to Ocean Springs.

Miss., Pass Christian—Powers & Co., Gulfport, has contract at \$62,000, for about 5 mi. cement curbing and sidewalks.

Miss., Starkville—Board of Aldermen let contract to Elkins & Boyd, Starkville, to pave North and South Jackson Sts. with Kentucky asphalt.*

Mo., Joplin—City let contract to H. Kost at \$1.75 per sq. yd. to pave Virginia Ave., Seventh to Tenth, with one course concrete.

Mo., Kansas City—City let contract to Frank Milton & Sons to grade and widen 1½ mi. Conway dist. road, from point south of Independence to State Highway No. 2.

Mo., Moberly—City let contract to Lynch-McDonald Construction Co., Moberly, to re-surface Sturgeon St. with amiesite process asphalt, Coates to point between Reed and Rollins St.

Mo., Trenton—City let contract to C. C. Ebbe, Trenton, at \$10,675 for 5 blocks of paving on Lulu St.

N. C., Elizabeth City—City, J. H. Snowden, Clk., let contract to R. G. Lassiter & Co., 1183½ W. Martin St., Raleigh, at \$121,750 for 40,000 sq. yd. sheet asphalt paving on 5-in. concrete base, 1½-in. binding.*

S. C., Charleston—Sanitary and Drainage Comn., 39 Broad St., let contract to Richardson Construction Co., Charleston, at \$12,502, for 5.118 mi. Adams Run-Dawho road, St. Paul's Township, from Adams Run Village to Dawho Causeway.*

Tenn., Halls—City let contract to Foreum James Co., Dyersburg, for 3 mi. concrete streets.

Tenn., Oneida—Town, Arthur Sexton, Recorder-Treas., let contract to Forester & Kelley, Harlan, Ky., at \$77,000, for 2.7 mi. 16-ft. concrete street paving.*

Texas—State Highway Dept., Hal Moseley, Chmn., Austin, let contract to Fred P. Holt, Barstow, at \$26,226 for 14.953 mi. Highway No. 7, Lubbock County, Lubbock to Slaton; to Martin Bros., Vidor, at \$84,187 for 12.382 mi. shell surfacing, Highway No. 62, Jasper County, Buna to Newton County line.*

Tex., Abilene—City, M. L. Sellers, Sec., let contract to West Texas Construction Co., Abilene, at \$2.91 per sq. yd. to pave portion of N. Fourth St. with 5-in. concrete base, 2-in. bitulithic top.

Tex., Fort Worth—City, O. E. Carr, Mgr., let contract to Standard Paving Co., 1742 E. Sixth St., Tulsa, Okla., at \$148,626 to pave 13 streets with asphaltic concrete; to Fuller Construction Co., 409 South Life Bldg., Fort Worth, at \$76,913 to pave 3 streets with sheet asphalt.

Tex., McKinney—City, Tom W. Perkins, Mayor, let contract to Furr & Keene, McKinney, for 1200 ft. hard paving.

Tex., Wichita Falls—Wichita County, B. D. Sartin, County Judge, let contract to Hill, Wilson & Watson, 610 North Texas Bldg., Dallas, at \$18,089 for 1½ mi. asphalt surfacing on rock base, Charlie Road.*

W. Va., Morgantown—Monongalia County Court, W. L. Parks, Pres., let contract to Keeley Construction Co., Clarksburg, at \$72,558 for about 3 mi. Evansville Pike from Morgan-Clinton line to vicinity of Ringgold.*

Sewer Construction

Large sums are being expended for sewage facilities in connection with Land Development operations. Details will be found under that classification.

Ark. Atkins—Board of Comms. of Sewer Improvement District No. 1 and Water Improvement District No. 1 receives bids July 20 for sewer improvements. (See Machinery Wanted—Water Works; Sewers.)

Fla., Eau Gallie—J. B. McCrary Engineering Corp., Atlanta, Ga., has contract for sewer and water works system. See Water Works.

Fla., Fort Lauderdale—City, B. J. Horne, Mgr. 517 Bryan Place, receives bids August 12 for 3,000,000 gal. daily capacity sewage treatment plant. (See Machinery Wanted—Sewers.)

Fla., Fort Lauderdale—City, B. J. Horne, Mgr., receives bids August 10 for furnishing material and constructing 3 sewage pumping stations and 5 ejector mains. (See Machinery Wanted—Sewage Pumping Station, etc.)

Fla., Fort Lauderdale—Solomon, Norcross & Keis, Inc., P. O. 1917, Consol. Engrs. for municipal work for city, B. J. Horne, Mgr.: will construct 50 miles of 6 to 24 in. pipe for water works; 5 miles of 8 to 16 in. cast iron for force sewer mains; 5 miles cast iron, wrought iron, 4 to 6 in.; 6,000,000-gal. filter plant; pumping station, water softening plant; 3,000,000-gal. reinforced concrete clear water storage; sewage disposal plant, sewage pumping stations and force main, sanitary sewers, storm sewers, garbage incinerator, pumps, motors, air compressors, blowers, chemical dry feed machines, clarifiers, agitators, etc.; bids opened Aug. 3, 5, 10 and 12, later receives bids for storm and sanitary sewers.*

Fla., Marianna—See Roads, Streets, Paving.

Fla., Miami Beach—City opens bids July 21 for sewers and white way; Ed R. Neff, City Engr.*

Fla., Palmetto—City receives bids Aug. 3 for white way lights. (See Machinery Wanted—Sewers; White Way.)

Fla., Winter Park—City, C. Fred Ward, Mayor, receives bids Aug. 18 for furnishing

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

materials and constructing sanitary sewer system. (See Machinery Wanted—Sewers.)

Fla., West Palm Beach—See Roads, Streets, Paving.

Ga., Atlanta—Finance Committee of City Council approved appropriation of \$25,000 for survey of city's sewer system.*

Ga., Rossville—City votes July 17 on \$80,000 bonds; J. L. Alsbrook, Mayor.*

Ky., Lexington—W. T. Congleton & Co., Third and Walton Sts., and James A. Hanley, 591 W. Short St., have contracts for sewers.*

La., Ruston—City voted sewer bonds. See Financial News—Bond Issues Proposed.

Md., Salisbury—See Water Works.

Md., Towson—Baltimore County Comms. receive bids August 2 for laying sewers in Catonsville, Parkville and Pikesville. (See Machinery Wanted—Sewers.)

Miss., Richton—City, A. L. Wilson, Chrm. Street Commn., plans sewer improvement.

N. C., Charlotte—City, W. S. Stauch, Commr. Public Works, is having surveys made for outfall extension and sewage disposal plant on West Side; will probably open bids in early fall for construction; W. M. Platt, Consit. Engr., First National Bank Bldg., Durham.*

N. C., Elizabeth City—City voted \$142,000 sewer bonds; A. McCabe, Mayor.

N. C., Liberty—Town, R. C. Reitzel, Mayor, receives bids July 29 for sewerage system and water works. (See Machinery Wanted—Water Works, Sewers.)

N. C., Winston-Salem—See Water Works.

Okla., Coweta—City plans sewer and water works extension; W. E. Davis, 219 Cole Bldg., Tulsa, Engr.*

Tex., Celeste—See Water Works.

Tex., Galveston—City will improve sewer and water works system. See Financial News—Bond Issues Proposed.*

Tex., Harlingen—Agar & Gentry, San Benito, have contract for sewer improvements; cost \$14,000.

Tex., Haskell—Donald O'Neill, lately noted having franchise, will construct complete sewer system and disposal plant; cost \$75,000; 53,000 ft. of 6, 8, 10 and 12 in. clay pipe; 300,000 gals. daily capacity disposal plant; plans by Municipal Engineering Co., Athletic Club Building, Dallas.*

Tex., Houston—City will issue bonds for sewers. See Financial News—Bond Issues Proposed.

Tex., Waco—City, E. E. McAdams, Mgr., is constructing sewage treatment plant, pump station and sewer outfall to river, cost \$200,000; J. E. Johnson Construction Co., Contr., 203 Cameron Bldg.; San Antonio Machine & Supply Co., 910 Franklin St., Waco, and General Electric Co., Dallas, 1801 N. Lamar St., Machinery Contrs.; Terrell Bartlett Engineers, Inc., Engrs., San Antonio.*

Tex., Weslaco—See Water Works.

Va., Alexandria—See Roads, Streets, Paving.

Telephone Systems

N. C., High Point—North State Telephone Co. plans erecting additional story to present building.

Tenn., Chattanooga—Southern Bell Telephone & Telegraph Co., main office, Atlanta, Ga., reported having estimates prepared for proposed new main telephone exchange building to be erected at Tenth and Lindsay Sts.

Textile Mills

Ark., Morrilton—Chamber of Commerce, Tom Davis, Sec., advises that proposition from Morris & Co., Inc., Trenton, N. J., has been accepted pending investigation; 10,000 spindle mill to be moved from Groverville, N. J.; local people to erect building and take \$150,000 preferred stock.

Ky., Lawrenceburg—Dean & Sherk Corp., 3220 Bellevue Ave., Detroit, Mich., reported to remove plant to here; C. A. Koerner, 318 E. Burnett St., Louisville, Ky., has contract for building with approximately 40,000 sq. ft. floor space; plans by Rasemen & Frier, 155 W. Congress St., Detroit, Mich.

Tex., Galveston—Texas Automatic Sprinkler Co., main office Dallas, Magnolia Bldg., awarded contract for sprinkler system for Galvez Cotton Mill, U. S. National Bank Bldg.; Chas. T. Main, Engr., Boston Mass.; R. I. McCorkindale Resident Engr., and also contract for heating plant to R. C. Malitz, 2020 G St.; will soon let contract for electric wiring.*

Va., Buena Vista—Buena Vista Silk Co.'s mill has been leased by Silk Manufacturers Corp., 288 Fourth Ave., New York City.

Water Works

Large sums are being expended for water-works in connection with Land Development operations. Details will be found under that classification.

Ala., Fairfield—Birmingham Water Works Co. Birmingham, 2114 1st St., reported interested in installing water line at Cottage Hill.

Ala., Mobile—State Docks Comsn. reported let contract to J. S. Schofield's Sons Co., Macon, Ga., for 100,000-gal. capacity water tank.

Ark., Atkins—Board of Comms. of Sewer Improvement District No. 1 and Water Improvement District No. 1 receives bids July 20 for furnishing material and labor and constructing water works. (See Machinery Wanted—Water Works; Sewers.)

Ark., Foreman—City, J. W. Hopson, Mayor, contemplates installing \$45,000 water works.

Fla., Eau Gallie—Following contracts let for water works system: Cast-iron pipe, to U. S. Cast-Iron Pipe & Foundry Co., Birmingham, Ala.; sewer pipe, W. S. Dickey Clay Mfg. Co., Macon, Ga.; hydrants and valves, Columbian Iron Works, Chattanooga, Tenn.; castings, Brooks Foundry & Machine Works, Atlanta, Ga.; tower and tank, J. S. Schofield's Sons Co., Macon, Ga.; steel, Kalman Steel Co., Atlanta, Ga.; motor, General Electric Co., Atlanta, Ga.; pumps, American Well Works, Aurora, Ill.; J. B. McCrary Engineering Corp., Atlanta, Ga., have begun construction on this work.*

Fla., Sarasota—I. G. Archibald, Sarasota Beach, has franchise for water system on Siesta Key.

Ga., Leslie—City votes July 21 on \$18,000 bonds for water works. Address the Mayor.

Ga., Macon—Rust Engineering Co., Woodward Bldg., Birmingham, Ala., has contract for radial brick chimney 200 ft. high.*

La., Colfax—City, C. G. Green, Mayor, plans \$45,000 water-works improvements; F. P. Joseph, Glenmora, Engr.

La., Ruston—City voted water works bonds. See Financial News—Bond Issues Proposed.

Md., Salisbury—E. J. C. Parson, Treas., Salisbury Water & Sewer Comm., advises complete new water and sewer system at cost of \$750,000 is contemplated.*

Md., Towson—Baltimore County Comms. receive bids Aug. 2 for laying water mains in Belair Road, Philadelphia Rd. and Liberty Heights Ave. (See Machinery Wanted—Water Mains.)

Miss., Jackson—State Hospital Removal Improvement and Land Sale Comn., R. L. Brown, Sec., Box 40, reported let contract to Layne Central Co., Chelsea, Memphis, Tenn., for drilling well for water supply.

Miss., Pass Christian—City plans extending water system on East Beach Boulevard, from Davis Ave. to Menge Ave., requiring 8500 ft. of 6-in. mains with specials; W. S. Hawkins, Consit. Engr.

Miss., Webb—Henry A. Mentz, Consit. Engrs., Citizens National Bank Bldg., Hammond, La., will receive bids July 23 for water works system at Webb. (See Machinery Wanted—Water Works.)

Mo., Bowling Green—Wise Well Drilling Co., 7516 Teasdale Ave., St. Louis, reported has contract for drilling 800-ft. well.

Mo., Branson—City receives bids July 27 for \$40,000 water works system. Address The Mayor.

Mo., Deepwater—City plans voting on \$50,000 water works bonds. Russell & Axon, 412 McDaniels Bldg., Springfield, Engrs.

Mo., Pleasant Hill—City plans water works improvements; W. B. Rollins & Co., Engrs., 521 Railway Exchange Bldg., Kansas City.

Mo., St. Louis—Board of Public Service receives bids July 27 for stokers. (See Machinery Wanted—Stokers.)

N. C., Elizabeth City—City receives bids Aug. 11 for filtration plant; cost \$250,000.*

N. C., Elizabeth City—City voted \$480,000

water works extension and improvement bonds. A. McCabe, Mayor.*

N. C., Liberty—Town, R. C. Reitzel, Mayor, receives bids July 29 for water and sewer system. (See Machinery Wanted—Water Works; Sewers.)

N. C., Sanford—R. G. Patterson & Co., Charlotte, reported has contract for earth and concrete impounding dam and coagulating basin.

N. C., Winston-Salem—City plans voting on \$400,000 water works and sewer bonds. Address The Mayor.

Okla., Bartlesville—City, H. F. Hofland, reported to expend \$1,000,000 for water improvements; E. T. Archer & Co., Engrs., 609 N. E. Bldg., Kansas City, Mo.*

Okla., Coweta—City voted \$20,000 water works bonds. W. E. Davis, Engr., Cole Bldg., Tulsa.

Okla., Glencoe—City, M. H. Humphreys, Mayor, plans water works system; cost \$17,000.

Okla., Norman—Ingersoll-Rand Co., 11 Broadway, New York, has contract at \$26,310 for two 110 h. p. engines, one 55 h. p. engine and five Diesel oil engines.

Okla., Oklahoma City—City reported plans extension of water system to S. Oklahoma City; Warren E. Moore, Commr.

Okla., Okmulgee—J. D. Trammell, Lake Worth, Fla., reported has contract for 22,000 ft. of 36-in. inside diam. patented concrete pressure pipe; cost \$195,000.

Okla., Skiatook—City plans water works extensions; W. E. Davis, Engr., Cole Bldg., Tulsa.

Tenn., Hohenwald—City voted bonds for water works. See Financial News—Bond Issues Proposed.*

Tenn., Rutherford—Worthington Pump Co. St. Louis, Mo., Lac Gas Bldg., has contract for 2 air lift electric power pumps; Eureka Fire Hose Co., Atlanta, Ga., Candler Bldg., has contract for hose in connection with water system.*

Tenn., South Pittsburg—Town, J. T. Hester, Mayor Pro Tem., will probably install water system.

Tex., Amarillo—Sherman Machine & Iron Works, Oklahoma City, Okla., reported has contract in connection with 16 mi. pipe line for water supply from reservoir to Palo Duro Canyon; 30-in. cast iron pipe.

Tex., Celeste—City plans water works and sewer system; Kock & Fowler, Engrs., Central Bank Bldg., Dallas.*

Tex., Fort Worth—City plans water works improvements. Address The Mayor.

Tex., Galveston—City will improve water and sewer system. See Financial News—Bond Issues Proposed.*

Tex., Houston—City plans erecting 2-story, brick, stone and steel pump house; W. A. Dowdy, Archt., 402 Euclid Ave.

Tex., Mission—Morey & Morey, Praetorian Bldg., Dallas, has contract for filter equipment at water works, and Harris, Spaulding & Ranney, Brady Bldg., San Antonio, contract for filter plant; Ewing Congdon, Engrs.*

Tex., Weslaco—City will probably extend water works, sewers and electric lighting to Orange Grove, Hollywood and Mistletoe Park subdivisions; H. G. Herold, Mayor.

Va., Danville—City, E. C. Brantley, Supt. Light and Power, will expend \$50,000 for water works plant, 300 ft. of 48-in. steel pipe; Porter & Hooks, Contr., Charlotte, N. C.; Scofield Engineering Co., Phila., Commercial Trust Bldg.*

W. Va., Harrisville—City reported receiving bids for water mains extensions and 175,000 gal. capacity concrete reservoir; J. V. Dunbar, Engr.

W. Va., Wheeling—G. T. Coffey and Yates-Neer Construction Co., 127 16th St., reported have contract for water works.

Woodworking Plants

Ark., Little Rock—Arkla Sash & Door Co., 120 E. Third St., subsidiary of the East Arkansas Lumber Co., purchased the Chas. T. Abeles Co.'s plant, including branches in El Dorado and Alexandria, La.; it is planned that new company will be organized to take over Arkla Sash & Door Co. or the wholesale department of East Arkansas Lumber Co. and Chas. T. Abeles Co. under name of Arkla Sash & Door Co., successors to Chas. R. Abeles & Co.; J. W. Trieschmann, Pres., and Emery Eade, Gen. Mgr. of new company.

Fla., Hialeah—Ana-Cris Novelty Works, C. M. Williams, Mgr., Thirty-ninth and Opelache Ave., building addition, majority of machin-

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BUILDING NEWS

BUILDINGS PROPOSED

ery purchased, will install modern machinery for small woodworking plant, including planer and matcher. (See Machinery Wanted—Woodworking Machinery.)

Ga., Columbus—Columbus Casket Co., Tom Cooper, owner, will establish plant to manufacture caskets; has building; Willard Benson, Supt. of plant.

Ky., Livermore—The Livermore Chair Co. contemplates new factory building, 66x133-ft. engine room and sawmill, brick construction; has machinery, except sawmill carriage; W. E. Render in charge.

N. C., High Point—Paramount Manufacturing Co., capital \$100,000, incorporated; J. B. Parker, W. J. Horney.

Va., Richmond—Virginia Willow Chair Co., capital \$10,000, incorporated; A. J. Gallant, John Kotula.

FIRE DAMAGE

Ala., Tuscaloosa—Milton Rosenfeld's department store.

Ark., Camden—C. S. Gordon's rooming house and store, Ket Scott's store, Mrs. J. T. Dehmer's building.

Ark., Keo—Keo Hotel, W. S. Howell & Sons' store, Leak Drug Co.'s building, J. W. Harness store, Temple & Willbank's store, First Baptist Church.

Ark., Marianna—Warehouse owned by Harris & Shackelford, Aubrey; Tom Brown's store.

Ark., McGehee—Cotton gin owned by Scott and Wylie McGehee, Little Rock.

Ark., Texarkana—Southern Acid & Sulphur Co.'s plant; loss \$40,000.

Fla., Williston—City light and power plant, loss \$100,000. Address The Mayor.

Ga., Macon—Case-Fowler Lumber Co.'s dry kilns; loss \$8000.

La., Lafayette—Office, pumping plants and bath houses of the Crystal Plunge Swimming Pool on Breau Bridge Rd.

Md., Baltimore—Carlin's Park, John J. Carlin, Prop.; loss \$15,000.

Md., Baltimore—Jones Hollow-ware Co.'s plant at Ashland and Stirling St.; loss \$50,000.

Miss., Mize—Cooley Brothers' store, Citizens Drug Store, Mize Restaurant, Mesutivan Mercantile Co.'s building, Dan Smith Mercantile Co.'s store, Mize Barber Shop, Henry Sullivan's building, Yelverton Barber Shop, Horn Bros.' store.

Miss., Nettleton—W. R. Trapp's store; loss \$20,000.

Miss., Philadelphia—Plant of the Philadelphia Steam Laundry.

Mo., St. Louis—American Fashion Shop, 1243 S. Broadway; store at 2303 Franklin Ave. occupied by Max Schram.

N. C., Charlotte—Charlotte Bonded Warehouse on N. Graham St.

Tenn., Chattanooga—Fryar Transfer & Storage Co.'s building on Main St.; loss \$14,000.

Tenn., Pulaski—Residence of J. Bascom Abernathy, Cash, People's Bank.

Tex., Abilene—Warehouse owned by Hall Walker, Rangler; loss \$50,000 to \$75,000.

Tex., New Ulm—Catholic Church, Frelsburg near New Ulm; loss \$7000 to \$8000. Address The Pastor.

Tex., El Paso—Hicks-Hayward Overall factory, 1831 Myrtle Ave.; loss \$100,000.

Tex., Temple—Mrs. W. M. Woodson's apartment house; loss \$12,000 to \$15,000.

Tex., Roston—Pat Warner's building, loss \$10,000.

Va., Blackstone—Bud Robertson's residence, Hungry Town Rd., 6 miles from Blackstone.

Va., Mineral—Mineral Hardware Co.'s store, owned by Wallace E. Graves; loss \$30,000.

Va., Suffolk—Southern Oil & Feed Mill's hull mill; loss \$60,000.

Va., West Point—Terminal Apartment House, owned by A. B. Delmage; loss \$50,000.

Damaged by Storm

Mo., Sikeston—Scott County Mill Co.'s flour mill.

Association and Fraternal

Ala., Mobile—Mobile Central Trades Council, C. H. Frank, Pres., erect \$10,000 auditorium, also remodel residence, State and Jackson Sts.

Ark., Helena—Benevolent Protective Order of Elks remodel dwelling, Perry and Franklin Sts., for club rooms.

La., Alexandria—Masonic Benevolent Assn., S. R. Pickett, Sec., receives bids Aug. 3 at office Sam Stone, Jr., & Co., 714 Union St., New Orleans, for fireproof temple; cost \$200,000, reinforced concrete and steel, face brick, stone or terra cotta trim, 5 stories, 106x193 ft., composition roof, 2 electric passenger elevators; Herman J. Duncan, Asso. Archt., 120 Murray St.; following contractors estimating: P. Olivier & Son, Lake Charles; Caldwell Bros., New Orleans; Tudor & Roland, Alexandria; S. W. Leard, Baton Rouge.

Tex., Corpus Christi—Corpus Christi Lodge No. 1030, B. P. O. E., erect \$100,000 building, Water and Starr Sts.; 3 stories, 100x140 ft., brick; foundation to permit additional stories; Phelps & DeWees, Archts., Gunter Bldg., San Antonio.

Tex., Houston—Houston Lodge No. 151, B. P. O. E., Abe Wagner, Chmn., Bldg. Comm., probably submit plans for bids about July 20 or Aug. 1, on 10-story building; cost \$1,000,000; natatorium, roof garden, gymnasium, Turkish baths, bowling alleys, sleeping quarters, clubrooms, etc.; A. C. Finn, Bankers Mortgage Bldg.; Jos. Finger, Keystone Bldg., and Henry F. Jonas & Tabor, Union Nat. Bank Bldg., Archts.

Tex., Port Arthur—Pythian Castle Hall Assn., C. H. Fitzgerald, Pres., 1701 Fifth St., erect \$47,000 building; 2 stories; stores on first floor.

Tex., San Antonio—Benevolent Protective Order of Elks, Pecan and Navarro Sts., have plans ready about July 15 for bids on remodeling building; cost \$100,000; Phelps & DeWees, Archts., Gunter Bldg.

Va., Danville—Bethesda Lodge has \$14,000 permit for building, 128 Ridge St.

W. Va., Keyser—Ancient Free and Accepted Masons, Chas. N. Finnell, Chmn., receives bids July 20 for 3-story temple, Main St.; stores on first floor, auditorium with stage, dining room and kitchen on second, lodge quarters above; plans, specifications and instructions from F. H. Babb or from Mr. Finnell.

Bank and Office

Ala., Birmingham—Estes Lumber Co., 2600 N. 28th St., erect brick veneer office building, Vanderbilt Rd.; 1 story, 40x80 ft., concrete tile roof; Warren, Knight & Davis, Archts., Empire Bldg.

Ala., Florence—Dr. E. T. Newsom promoting \$75,000 Medical Arts Bldg.; 2 stories and basement, with foundation to permit 2 additional stories, steel frame, hollow tile, 52 rooms; Lloyd Maffett, Archt.

Miss., Pontotoc—Bank of Pontotoc, J. D. Simmons, Vice-Pres., and Masonic Lodge, care M. T. Adams, plan 2- or 3-story bank and lodge building; brick; J. M. Spain, Archt., Millsaps Bldg., Jackson.

S. C., Kershaw—Bank of Kershaw having plans drawn by Lafaye & Lafaye, Columbia, for 2-story building to replace burned structure.

Tenn., Franklin—Harpeth Bank contemplates bank and office building, Main St. and Fourth Ave.; 3 or 4 stories.

Tex., Austin—Ernest Nalle, 1108 Colorado St., and associates reported erect \$500,000 office and department store building, Eighth St. and Congress Ave.; fireproof, 10 stories and basement, 100x138 ft.; about 210 offices; Endress & Cato, Archts., Mortgage Bldg., Houston.

Tex., Brownsville—Chamber of Commerce, G. C. Richardson, Mgr., receives bids Aug. 6 for hollow tile and stucco building; 1 story, 67x60 ft., wood and tile floors, concrete foundation, tile and composition roof, cost \$20,000; Kelwood Co., Archt., Travis Bldg., San Antonio. Address City Engineer. See Machinery Wanted.

Tex., Dallas—Dr. David G. Hall, 2001 Live Oak St., reported leased property, Live Oak and Harwood Sts., to group planning \$1-

000,000 office building; probably 24 to 26 stories.

Tex., Dallas—Exporters' Realty Co. will remodel and add additional story to present Cotton Exchange Bldg.; structure to be called Construction Industries Bldg.; new floor to contain auditorium to seat 500, kitchen, club and committee rooms.

Tex., San Antonio—Triune Lodge, care Chas. Endress, receiving bids for brick or hollow tile and stucco building, Aransas Ave. and Olive St.; 2 stories; cost \$19,000; L. Harrington & Co., Archts., Builders Exchange Bldg.

Tex., San Antonio—Franz Groos, care Groos National Bank, and associates having plans drawn by Henry T. Phelps, Hicks Bldg., for \$500,000 office building, Commerce and Navarro Sts.; fireproof, brick, concrete and stone, 12 stories; about 140 offices.

Churches

Ala., Demopolis—Methodist Church, Rev. H. W. Rice, Pastor, receives bids July 15 at office Alsop & Callanan, Archts., 524 Derrmon Bldg., Memphis, Tenn., for brick Sunday school; cost \$30,000, stone trim, wood and cement floors, 3 stories, 46x90 ft., concrete foundation, composition roof. See Machinery Wanted.

Ala., Mobile—St. Mary's R. C. Church, Rev. Thos. J. Eaton, Pastor, receiving bids for \$150,000 building, site present structure, Old Shell Rd. and Lafayette St.; Spanish Renaissance type; Murphy & Olmstead, Archts., 1413 H St. N. W. Washington, D. C.

Ala., Montgomery—Spanish Hebrew Congregation, care A. France, Chmn., Bldg. Comm., Highland Ave., erect \$20,000 building, 38 Sayre St.; fireproof, brick, 1 story and basement, 40x55 ft., plastered interior, oak floors, struct. iron, ventilators; Dick Ryan, Archt., 800 Monroe St.

Ala., Selma—Central Baptist Church, Rev. Mr. Ezzell, Pastor, erect \$65,000 building; John W. McKell, Archt.

Fla., Miami—Union Congregational Church erect \$100,000 building, Miami Shores; reinforced concrete and struct. steel, 2 stories, cork and tile floors, tile roof; E. L. Robertson & L. R. Patterson, Archts., Calumet Bldg. See Machinery Wanted.

Ga., Adairsville—Baptist Church erecting \$25,000 building; concrete and rough face brick, red tile roof. Address The Pastor.

Ga., Macon—Baptist Tabernacle, Rev. A. C. Baker, Pastor, 559 Orange St., erect \$20,000 stucco and tile Sunday school, Second St.; seat about 2000; 8 classrooms, balcony; choir seat 150.

La., Alexandria—Church of Christ, Scientist, Mrs. H. I. Lawrence, Pres., erect building, Albert and Bolton Sts., after plans by Herman J. Duncan, 120 Murray St.

La., Alexandria—First Methodist Church, Dr. C. Brooks, Pastor, erect \$80,000 building after plans by C. Errol Barron; brick and hollow tile, 3 stories.

La., New Orleans—Coliseum Baptist Church calls for bids about 2 weeks on brick, stone and stucco Sunday school, Camp and Terpisshore Sts.; 3 stories, slate roof, plastered interior; wiring in church and new structure; Sam Stone, Jr., & Co., Archts., 714 Union St.

Miss., Baldwin—Christian Church erect \$10,000 to \$12,000 brick building; 1 story and basement, pine floors, concrete foundation, asbestos roof; Walter R. Nelson, Archt., Shrine Bldg., Memphis, Tenn.; bids opened. Address K. S. Archer, Baldwin. See Machinery Wanted.

Miss., Yazoo City—Methodist Episcopal Church, South, Rev. J. L. Neill, Pastor, erect \$40,000 Sunday School annex; brick, cast stone, terra cotta, 3 stories and basement, 66x77 ft., wood, concrete and tile floors, reinforced concrete foundations, built-up composition roof; T. Clements Harvey, Archt., Greenville. Address Bldg. Comm., care Rev. Mr. Neill. See Machinery Wanted.

N. C., Charlotte—Tryon Street and Trinity Methodist Churches, J. H. Little, Chmn., Bldg. Comm., reported receive bids July 21 for stone building; cost \$500,000, 3 stories and basement, 100x330 ft., slate roof, struct. steel, concrete and wood floors, art glass, vapor heat; Spencer & Phillips, Archts., Goodwyn Inst. Bldg., Memphis, Tenn.

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Okl., Perry—Baptist Church. Rev. Chas. Hanson, Pastor, erect \$25,000 building, site present structure.

Okl., Tulsa — Boston Avenue M. E. Church erect \$500,000 building, 13th St. and S. Boston Ave.; circular shape, 250-ft. tower, masonry, concrete and struct. steel, auditorium seat over 2000; furnishings, equipment, etc., \$100,000; Rush, Endacott & Rush, Archts., 403-05 Wright Bldg.; open bids about Dec. 20.*

S. C., Greenville — Rev. C. T. Squires, 810 E. Washington Rd., Pastor, Fourth Presbyterian Church, interested in chapel, Highland on Easley Bridge Rd.

Tenn., Memphis — Galloway Memorial Methodist Church, Rev. E. W. Crump, Pastor, erect brick, reinforced concrete and stone building, Copper St. and Walker Ave.; 3 stories and basement, 57x86 ft., built-up roof, wood floors, Bowling Green or Bedford limestone, struct. and misc. steel, Celotex or metal lath; W. C. Lester, Archt., 824 Dermon Bldg.; reported receiving bids.

Tenn., Nashville — Winn's Chapel, J. F. Brown, Chmn., 944 Russell St., Bldg. Comm., erect \$10,000 Craig Memorial Methodist Church; ground broken.

Tex., Houston — First Congregational Church receives bids July 16 for reinforced concrete, brick, tile and stone building, Main and Prospect Sts.; cost \$60,000, 48x98 ft., 48-ft. nave, wood floors, reinforced concrete foundation, tile roof; Jos. W. Northrop, Jr., Archt., West Bldg.*

Tex., Beeville — St. Josephs R. C. Church, Rev. J. J. Lennon, Pastor, erect \$40,030 building; Mission type, 1 story, 60x123 ft., wood floors, concrete foundation, tin roof; furnishings, equipment, etc., \$10,000. Address W. C. Stephenson, Archt., Room 6, Klipstein Bldg. See Machinery Wanted.*

Tex., McKinney — North Baptist Church erect \$40,000 building; Lindsey & Kilmer, Archts., Greenville.

Tex., San Antonio — Presbyterian Church, care G. B. Strickler, erect \$15,000 auditorium and balcony above present basement; Will N. Noonan Co., Archts., Builders Exchange Bldg.

Va., Richmond — First Baptist Church, W. S. Forbes, Chmn., Bldg. Comm., has plans completed for \$400,000 unit of \$750,000 church and Sunday school, Monument Ave. and Boulevard, and will soon call for bids; fireproof, steel frame, concrete, brick and Indiana limestone; 3 stories above ground, 2 below, 244x330 ft., concrete, tile, hardwood, rubber tile and composition floors, concrete foundation, sheet copper roof, interior tile, metal doors and ceilings, steel sash and trim, wire glass, dumbwaiters, vaults, marble; furnishings, equipment, etc., \$125,000; Herbert L. Cain, Archt., Grace Securities Bldg.*

W. Va., Huntington — First Presbyterian Church receives bids July 21 for first unit of \$500,000 structure; cost about \$150,000; stone, wall bearing, concrete floors, steel roof trusses, 100x80 ft., 3 stories, built-up and slate roof, mastic floors, concrete foundation, gymnasium and clubrooms; Sidney L. Day, Archt., First Nat. Bank Bldg. See Machinery Wanted.*

City and County

Ala., Wetumpka — First Baptist Church, Colored, Rev. I. H. Harris, Pastor, erect \$12,000 building; 1 story and basement, 40x70 ft., metal roof, oak floors, steam heat; Dick Ryan, Archt., 800 Monroe St., Montgomery.

Ark., Jonesboro — Craighead County, C. B. Gregg, County Judge, will not build \$400,000 courthouse in near future; John P. Almand, Archt., 324 W. 14th St., Little Rock.*

Fla., Boynton — Town erect \$70,000 casino, Boynton Beach; reinforced concrete, hollow tile, steel trusses, 3 stories, 81.4x120.4 ft., tile and cement floors, piling and reinforced concrete foundation, tile and built-up composition roof; Thos. M. Walker, Archt., drawing plants; bids in 60 to 90 days. Address Archt. See Machinery Wanted. (Lately noted under Buildings Proposed—Miscellaneous.)*

Fla., Miami — City, F. H. Wharton, City Mgr., has following low bids for fire stations: N. W. Seventh Ave. and 17th St., R. G. Witters Co., 1745 S. W. Sixth Ave., \$37,500; Little River, R. G. Witters Co., \$36,200; N. Miami Ave. and 14th St. addition to fire house and pumping station, Witters Co., at \$52,424; Coconut Grove, St. John Construction Co., \$32,702; Buena Vista, St. John Construction Co., 629 N. W. Seventh St., \$32,061; low bid for chief's residence, W. Flagler St. and 10th Ave., Williams Construction Co., Vall Arcade, \$15,900; A. Ten Eyck Brown, Hippodrome Bldg., E. H. Ehm-

mann, Miami Realty Board Bldg., Aug. Geiger, Calumet Bldg., H. H. Mundy, 218 N. E. Fifth Ave., Archts.*

Fla., Palm Beach — Town Council erect \$100,000 fire station, northern section; 25x100 ft., 2 fire engines, etc., on first floor, sleeping quarters above.

Fla., Stuart — Martin County Board of Commrs., H. N. Gaines, Chmn., receives bids July 27 for steel cages for temporary jail.

La., Colfax — Grant Parish Police Jury, John Randolph, Pres., erect \$40,000 courthouse addition; C. Scott Yeager, Archt., Alexandria.

La., Monroe — City Council receives bids July 16 for clubhouse on municipal golf course; plans and specifications from J. W. Smith, Archt., Ouachita Bank Bldg.

La., Olla — City, Cary Zeagler, Mayor, let contract for brick jail to Owens Bros., Jena; 1 story, 17x26 ft., concrete floors, Johns-Manville built-up roof, cell work.

La., Ruston — City voted \$15,000 fire station bonds.

La., Jena — LaSalle Parish Police Jury select architect within 2 or 3 weeks for jail; following architects to submit sketches: J. W. Smith, Monroe; Herman J. Duncan, Alexandria; Edw. F. Neild, Shreveport.

Miss., Collins — City, W. U. Corley, Mayor, voted city hall bonds; cost \$10,000; 2 stories; offices on first floor, Masonic Temple on second.*

Miss., Pass Christian — City, W. S. Hawkins, City Engr., receives bids Aug. 5 for brick city hall; 2 stories; cost \$30,000; plans and specifications from Smith & Norwood, Archts., Gulfport.*

Mo., St. Louis — Board of Public Service, F. R. Kinsey, Pres., City Hall, have plans ready July 13 for estimating steel work on \$4,000,000 Civil Courthouse; plans for remainder of structure completed by Sept. or Oct.; steel skeleton, concrete floor slabs, stone exterior, 24 stories, 135x162 ft.; upper floors to represent Greek temple, colonnade with 42-ft. columns of Ionic columns; temple surmounted by stepped pyramid; granite base approaches; Doric type entrance with two 44-foot columns; plans by Plaza Commission, Inc., 316 N. Eighth St.; Fruin & Colnon Contracting Co., Merchants-Laclede Bldg., contractor for foundations and excavation.*

N. C., Asheville — City, John H. Cathey, Mayor, and Buncombe County have decided to erect \$1,500,000 twin building instead of \$600,000 city hall, for which bids were opened July 8; each unit to be 120x120x180 ft., 8 stories, fireproof, steel, brick and marble, concrete foundation, marble and composition floors, terra cotta and tile roof; Douglas D. Ellington, Archt., Wabash Bldg., Pittsburgh, Pa.*

N. C., Charlotte — City Council, W. S. Stanclil, Commr. of Public Works, considers remodeling auditorium.

S. C., Orangeburg — City Council plans to call election on \$175,000 city hall bonds.

Tenn., LaFollette — City voted \$50,000 bonds for courthouse and jail; structure to be built for Campbell County if county seat is moved to LaFollette from Jacksboro. Address City Council.*

Tex., Galveston — Galveston County, John M. Murch, Auditor, 1428 K St., receives bids July 20 for building brick wall, concrete flooring, metal ceiling, steel door, radiators, lavatories, toilets and shower baths, electric lights, peep holes, pipe railing, etc., for completion of west wing of fourth floor of jail; specifications from Mr. Murch.

Va., Hampton — Elizabeth City County Board of Supervisors, H. H. Holt, Clk., receives bids July 15 for addition to, remodeling and equipping jail; also heating jail and courthouse; plans and specifications from Mr. Holt's office.

Dwellings

Ala., Birmingham — Basil Clark, Redmont Park, erect \$20,000 brick veneer residence; 2 stories and basement, hardwood floors, slate roof, tile baths, steam heat; Chas. H. McCauley, Archt., 700-11 Jackson Bldg.

Ala., Birmingham — J. T. Dunlap, Empire Bldg., erect frame residence, Pine Ridge Road, Shades Valley; 1-story, 25x60 ft., composition roof, steam heat; garage, servants' quarters; Warren, Knight & Davis, Archts., 1003 Empire Bldg.

Ala., Birmingham — Dr. T. V. Magruder, Age-Herald Bldg., erect brick veneer and hollow tile residence, Hanover Circle; 2 stories, tile roof, steam heat; Bem Price, Archt., Age-Herald Bldg.

Ala., Birmingham — Lee McGriff, 2028½ N. First Ave., erect brick veneer and stucco residence; Overlook Road, Forrest Park; 2 stories, 81x34 ft., slate roof, 2 tile baths, steam heat; B. B. Burnham, Archt., 1921 Age-Herald Bldg.

Ala., Birmingham — Frank Miller, 2621 Arlington Ave., erect stone veneer residence, New Country Club section; 2 stories, 35x75 ft., slate roof, steam heat; Warren, Knight & Davis, Archts., 1003 Empire Bldg.; ready for bids about July 20.

Ala., Birmingham — W. E. Turnipseed, 1820 Jefferson Ave., Enslay, erect brick veneer and stucco residence, Bush Hills; 2 stories, 53x35 ft., composition or slate roof, steam heat; Brooke B. Burnham, Archt., 1921 Age-Herald Bldg.

Ala., Florence — J. C. Roberts erect \$12,000 Spanish type residence; 7 rooms, 2 baths, hollow tile and stucco; Lloyd Maffett, Archt.

Ala., Gastonburg — R. S. Goode, Jr., erect 2-story, Dutch Colonial residence; John W. McKeil, Archt., Selma.

Ala., Huntsville — Frank Ryland, Palm Beach, Fla., improve home place.

Ala., Montgomery — Chas. A. Harris, 737 Feder Ave., erect \$10,000 residence, Cloverdale Road, South Cloverdale; brick veneer, 1 story, 56x36 ft., composition roof, Areola heating; Dick Ryan, Archt., 800 Monroe St.

Ala., Montgomery — M. S. Katz, 710 Madison Ave., erect \$12,000 residence, 1020 S. McDonough St.; brick veneer, 1-story and basement, 35x53 ft., face and common brick, hot air heat; Dick Ryan, Archt., 800 Monroe St.; bids opened in few days.

Ala., Uniontown — Mrs. H. P. Brown erect 2-story, Dutch Colonial residence; John W. McKeil, Archt., Selma.

Ark., Fayetteville — D. W. Owens erect \$20,000 residence, N. Washington Ave.; frame; Jas. Dinwiddie, Archt.

Ark., Little Rock — F. T. Whited, 2601 Broadway, erect brick and stone residence, Sherwood and Edgewood Rds., Prospect Terrace; 2 stories, 10 rooms, concrete, hardwood and tile floors, English tile, ornamental iron, tile roof, steam heat, 30x60-ft. organ room (organ purchased); John P. Almand, Archt., 1107 Boyle Bldg.

Ark., Monticello — Monticello Cotton Mills Co., L. R. Myers, Sec., erect 20 operatives' dwellings.

Fla., Hollywood — John A. Kimball, owner, Kimball Laundry, Little River, erect \$10,000 Spanish type residence; Paul H. G. Lelske, Archt.; True L. Brokie, Asso. Archt.

Fla., Kissimmee — Baptist Church erect parsonage, Church and Sproule Sts.; King Construction Co., Contr.

Fla., Orlando — Mrs. Mary J. Chase erect \$35,000 residence.

Fla., Tampa — John C. Spencer, 843 S. Dakota St., erect hollow tile and stucco Dutch Colonial residence; 8 rooms, composition shingle roof, oak floors, tile bath, garage; Estes W. Mann, Archt., 203 Cotton Exchange Bldg., Memphis, Tenn.

Ga., Atlanta — Rufus Purcell erect 2 brick veneer dwellings, 288-92 Greenwood Ave.; 1 story; total cost \$12,000.

Ga., Camilla — O. G. Swindle, Clk. of Superior Court, erect \$10,000 residence, Broad St.

Ga., Thomaston — Martha Mills erect about 400 dwellings; constr. by owner. (Batson-Cook Co., West Point, lately incorrectly noted at contr.)*

Ky., Paducah — John T. Fuller erect residence, Wallace Park; Max Mayer, Archt., Home Insurance Bldg.

La., New Orleans — S. LaRosa, 4320 Willow St., erect 2 duplexes, Audubon Blvd. and Sycamore St., ready for sub-bids about Aug. 1.

La., New Orleans — A. Bartlett, 1723 Valmont Ave., erect bungalow, S. Gayoso and Eden Sts.; tile roof, hardwood floors, warm air heat, tile baths; Mason & Spori, Archts., Vincent Bldg.

La., New Orleans — Phillip A. Boudreaux, 1102 Napoleon Ave., alter residence, Napoleon Ave. near Chestnut St.; Morgan D. E. Hite, Archt., Whitney Bldg.

La., New Orleans — Louis Hammer, 4307 Elba St., erect single raised residence, Vincent Place near General Taylor St.; cost about \$10,000, tile roof; Lockett & Chachere, Archts., Title-Guarantee Bldg.

Md., Baltimore — Mrs. A. T. Weller erect 8 brick dwellings, S. side Markley Ave. W. of Harford Ave.; 2 stories, 16x36 ft., slag roof, steam heat; total cost \$20,000; H. R. Mason, Archt., 8 E. Lexington St.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Miss., Lexington—H. P. Watson erect brick veneer residence; 2 stories, 2 tile baths, tile roof, hot water heat; J. M. Spain, Archt., Millsaps Bldg., Jackson.

Miss., Lexington—J. S. Watson erect brick veneer residence; 2 stories, tile roof, 2 tile baths, oak floors, hot water heat; J. M. Spain, Archt., Millsaps Bldg., Jackson.

Miss., Saltillo—Allen McNeil erect brick residence.

Miss., Saltillo—Jack Roger, care Bank of Saltillo, erect brick residence.

Mo., Clayton, St. Louis—H. P. Klarrmann erect \$10,000 brick residence and garage, Bellevue St., Bellevue Square, 25x32 ft.

Mo., Kansas City—T. D. Samuel, Jr., 910 W. 42d St., erect \$10,000 residence, 442 W. 68th St.

Mo., Kansas City—E. W. Wheelock, 2400 College St., erect dwellings, 5212-16-18-24 Brooklyn St.; total cost \$12,000.

Mo., Kansas City—A. R. Adler, 51st and Summit Sts., erect \$15,000 stucco and shingle residence; 1½ stories, stone foundation, shingle roof; C. W. Smith, Archt., Finance Bldg.*

N. C., Charlotte—H. L. Taylor, 7 E. Third St., erect \$18,000 residence, Barkley and Carlton Sts.; 2 stories, brick.

N. C., Greensboro—A. K. Moore Realty Co., W. Market St., erect 2 dwellings, Chapman St., and 1 on Tremont Drive; 2 stories, 6 and 7 rooms, composition roof, brick veneer; total cost \$32,000.

N. C., New Bern—H. F. Honan, Morehead City, erect 100 dwellings, Morehead Bluffs; stucco, Spanish type; work started on 10.

N. C., Wilson—H. W. Abbitt erect \$25,000 residence, W. Nash St.

N. C., Wilson—J. B. Batt erect \$10,000 residence, Broad St.

Okla., Pawhuska—Jos Coshehe erect \$12,000 frame residence, 1 story and basement, 42x47 ft.; Harry D. Joll, Archt.; bids opened July 12.

Tenn., Chattanooga—Col. Harold Weeks erect \$100,000 Colonial residence, Fairland.

Tenn., Decaturville—J. S. England erect Dutch Colonial residence; Lloyd Maffett, Archt., Florence, Ala.

Tenn., Humboldt—Lloyd Adams erect weatherboard residence, 1½ stories and basement, 8 rooms, composition shingle roof, oak floors, tile baths, concrete basement, hot water heat; R. A. Heavner, Archt., Jackson.

Tenn., Martin—Hubert T. McGee, 801 Fidelity Bank Bldg., Memphis, drawing plans for brick veneer dwellings; 1½ stories and basement, about 40x68 ft., composition shingle roof, oak floors, tile bath, concrete basement, hot water heat.

Tenn., Memphis—B. J. Boro, 1887 Cowden St., erect brick veneer duplex, 1915 Harbert St.; 2 stories and basement, 30x70 ft., composition shingle roof, oak floors, tile baths, hot water heat, garage; R. C. Couch, Contr., 63 S. Third St.

Tenn., Memphis—John F. Gretz, 1277 Vinson Ave., erect \$12,000 brick veneer residence, Poplar Pike near Red Acres; 1 story and basement, 53x44 ft., composition shingle roof, oak floors, tile bath, hot water heat, garage; Hubert T. McGee, Archt., 801 Fidelity Bank Bldg.

Tenn., Memphis—Anker F. Hanson, Shrine Bldg., drawing plans for \$15,000 dwelling, Hein Park; brick veneer, 2 stories and basement, 10 rooms, tile roof, oak floors, hot water heat, 2 tile baths, 3-car garage and servants' quarters.

Tenn., Memphis—W. H. Harris, 343 Cherry St., erect \$15,000 residence, Kimbrough subdivision; 2 stories and basement, brick veneer, composition shingle roof, oak floors, tile bath, hot water heat, garage; Lyman Abbott, Archt., both Clarksdale, Miss.

Tenn., Memphis—W. E. Hyde, 1750 Forrest Ave., has low bid at about \$31,000 from J. A. Smith, 1392 S. Wellington St., for residence, Morningside Park; Spencer & Phillips, Archts., 203 Fidelity Bank Bldg.*

Tenn., Memphis—Palmer Bros., Fidelity Bank Bldg., plan 2 dwellings; brick veneer, composition shingle roof, oak floors, tile bath, hot water heat, garage.

Tenn., Memphis—C. E. Powell, 724 Exchange Bldg., erect brick veneer, half timber and stucco residence, Crestmore Place; 2 stories and basement, 8 rooms, composition shingle roof, oak floors, tile bath, hot water heat, garage; Estes W. Mann, Archt., Cotton Exchange Bldg.

Tenn., Memphis—L. A. Read erect brick veneer residence, Colonial Gardens subdivision; 1 story and basement, 8 rooms, compo-

sition shingle roof, oak floors, tile bath, hot water heat; Estes W. Mann, Archt., 203 Cotton Exchange Bldg.

Tenn., Memphis—W. C. Chandler erect 3 brick veneer dwellings, 1569 S. Wellington, 1515-90 Shadowlawn Sts.; 6 rooms, cost \$4000 each, heat \$500, garage \$100.

Tenn., Memphis—South, Whitten & Haley, Central Bank Bldg., erect \$18,000 dwelling, 1506 Linden St.; 7 rooms, brick veneer, heat \$500, garage \$500.

Tenn., Austin—Missouri Synod, Lutheran Concordia, Rev. K. G. Manz, Sec., Board of Control, 603 E. 16th St., erect \$10,000 professor's residence; concrete, frame and masonry, 2 stories, 26x46 ft., wood floors, concrete foundation, tile roof; Harvey P. Smith, Archt., 312 Nat. Bank of Commerce Bldg.; W. E. Simpson & Co., Engrs., 412 Nat. Bank of Commerce Bldg., both San Antonio; plans complete.*

Tenn., Dallas—F. J. Tholl, 5223 Swiss Ave., erect 4 frame cottages, 3206-10-14-18 Jerome St.; 5 rooms; cost \$2500 each.

Tenn., Dallas—W. A. Thomas, 608 N. Akard St., erect \$10,000 residence, 5451 Morning-side St.; 6 rooms, brick veneer.

Tenn., Dallas—B. A. Wilson, 6323 Prospect Ave., erect \$10,000 residence, 6259 Prospect St.; 7 rooms, brick veneer.

Tenn., Harlingen—L. R. Hollingsworth have plans ready about July 15 for bids on Colonial residence; hollow tile and brick; Harvey P. Smith, Archt., Nat. Bank of Commerce Bldg.*

Tenn., Houston—Jas. A. Baker, Jr., 1614 Main St., erect Colonial residence, Bissonett Ave., Broad Acres; brick veneer, 2 stories; Sam H. Dixon, Archt.

Tenn., Houston—J. C. Dodds, 3405 Audubon St., purchased homesite, River Oaks.

Tenn., Houston—Dr. Paul Ledbetter, 3717 Main St., purchased homesite, River Oaks.

Tenn., Houston—F. S. Price erect \$10,000 brick veneer duplex and garage, 320 W. Gray St.; 5 rooms.

Tenn., Houston—W. L. Pearson Co., W. L. Pearson, Pres., First National Bank Bldg., erect several dwellings, connection with development.

Tenn., Houston—Russell Brown Co. erect \$15,000 dwelling, 1643 S. Boulevard; 2 stories, brick veneer.

Tenn., Houston—C. S. Settegast plans residence, Huntington Place, River Oaks.

Tenn., Houston—E. H. Buckner, care Houston Oil Co. of Texas, advises has no intention of erecting residence any time in near future.*

Tenn., Houston—Henry C. Schumacher erect \$40,000 residence, Graustark St., Shadowlawn; Maurice J. Sullivan, Archt.

Tenn., San Antonio—Grover Cain remodel residence, 1111 W. Mulberry Ave.; 2 stories, frame; Seutter & Simons, Archts., Builders Exchange Bldg.; ready for bids about July 15.

Va., Richmond—A. F. Neumann, 616 N. 34th St., erect 15 frame dwellings, 1401-29 Cemetery Ave.; 2 stories, 22x32 ft., oak and pine floors, brick foundations in roofs; total cost \$37,500; furnishings, equipment, etc., \$20,000.

W. Va., Charleston—Mrs. Anne Johnson plans remodeling residence, Kanawha St. near Brooks St.; tile and brick; add 2 rooms, etc.; cost \$18,000.

W. Va., Wheeling—J. E. Miller, 2420 Eoff St., erect \$12,000 residence, 2424 Eoff.

Government and State

Fla., Lakeland—Battery D. 116th Field Artillery, Florida National Guard, Camp J. J. Gilliam, Commandant, erect frame armory to replace burned structure; 1 story, 40x120 ft., concrete block foundation, composition shingle roof; plans by Wm. Watson, Engr.*

Ky., Newport—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., 5506 13th St. N. W., Washington, D. C., receives bids July 29 for remodeling and enlarging post office; drawings and specifications from Custodian at site or from office Supervising Archt.

La., New Orleans—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., 5506 13th St. N. W., Washington, D. C., receives bids July 26 for remodeling custom house; drawings and specifications from H. G. Richey, Dist. Engr., 216 Custom House, New Orleans, or from office Supervising Archt.

La., Oak Grove—Louis Leach, Lake Providence, erect brick building, Briggs and Main Sts., to be occupied by Economy Drug Co., post office and owner.

Miss., Jackson—Mississippi Building Commission rejected bids for nurses' home at State Charity Hospital; cost \$20,000; will call for new bids; T. C. Harvey, Archt., Greenville.*

Tex., Dallas—Treasury Dept., Jas. A. Wetmore, 5506 13th St. N. E., Act. Supervising Archt., Washington, D. C., receives bids July 22 for 2 alternating-current-driven electric elevators for Federal building.

Hospitals, Sanitariums, Etc.

Ala., Albany-Decatur—Shrine Hospital Building Comm., Thos. A. Bowlee, Sec., receives bids Aug. 2 for fire-resisting hospital; cost \$75,000, 3 stories, 40x80 ft., terrazzo and mastic floors, concrete foundation, composition roof; plans and specifications from Wm. Leslie Welton, Archt., 19th floor, Amer. Trust Bldg.*

Ala., Birmingham—Norwood Trading Co. erect clinic, N. 16th Ave. and 25th St.; brick and struct. steel, 3 stories and basement, 50 x 100 ft., built-up tar and gravel roof, concrete and wood joist floors; Geo. P. Turner, Archt., 1203 American Trust Bldg.; Earl Cline, Contr., 1011 N. 16th St.; wiring, Kitchen & Bethemer; plastering, Green Plastering Co., 728 Columbia Ave.; hardware, Butcher Tool & Hardware Co.

Ark.-Tex., Texarkana—St. Louis Southwestern Railways Lines Hospital Assn. receiving bids for brick and reinforced concrete nurses' home, cost \$50,000; 2 stories, accommodate 22 nurses, housekeeper, surgeon and orderlies; Trueblood & Graf, Archts., Chemical Bldg., St. Louis, Mo.*

Fla., Lakeland—City Commission, Anton Schneider, Mayor, receives bids July 20 for nurses' home for City Hospital; cost \$75,000; plans and specifications from Franklin O. Adams, Jr., Archt., 510½ Franklin St., Tampa.*

Fla., Ocala—City, H. C. Sistrunk, City Clk., receives bids July 28 for 3-story hospital, Orange St.; plans and specifications on file; Geo. MacKay, Archt.; \$85,000 available.*

Fla., Winter Haven—City Commission, F. E. Brigham, Chmn., Hospital Comm., will call election on \$125,000 hospital bonds.*

Ga., Americus—Dr. W. S. Prather erect \$20,000 brick medical office and clinic building, Jackson St.; 20 patients' rooms.

N. C., Raleigh—State Hospital Bldg. Comm., Dr. Albert Anderson, Supt., receives bids July 14 for brick setting work for two 350 h.p. cross drum water tube boilers; drawings and specifications from above or from Wiley & Wilson, Const. Engrs., Lynchburg, Va.*

Tenn., Austin—State Board of Control, Dr. H. H. Harrington, Chmn., 604 E. 23rd St., receives bids July 20 for hospital addition at Confederate Home; brick, stone and reinforced concrete, 3 stories, fireproof; Giescke & Harris, Archts., Littlefield Bldg.*

Tenn., Austin—State Board of Control, Dr. H. H. Harrington, Pres., receives bids July 22 for hospital at State Colony for Feeble-Minded; cost \$35,000, fireproof, concrete foundation, brick walls, built-up roof, concrete, terrazzo and tile floors, heating from central heating plant; H. F. Kuehne, Archt., 824 Littlefield Bldg.*

Tenn., Fort Worth—St. Joseph's Infirmary Sisters of Charity of Incarnate Word erect reinforced concrete, brick curtain wall, terra cotta and stone trim St. Joseph's Infirmary; 5 stories, reinforced concrete floors and foundation; cost about \$400,000; Wyatt C. Hedrick, Archt., First Natl. Bank Bldg.; bids opened. See Machinery Wanted.*

Tenn., Sanatorium—State Board of Control, Dr. H. H. Harrington, Chmn., receives bids July 21 for 2-story infirmary ward building and remodeling and additions to present power house, State Tuberculosis Sanatorium; separate bids on plumbing, heating, electric and elevator work for ward building and on plumbing and electric work for power house; former \$80,000, latter \$35,000, brick and reinforced concrete, 2 and 1 story; Phelps & DeWees, Archts., 718 Gunter Bldg., San Antonio.*

Hotels and Apartments

Fla., Fort Pierce—J. K. Shinn & Co. will erect \$12,000, 4-family apartment house, San Lucie Plaza.

Fla., Miami—Lingler & Beshgetorian, Archts., 111 S. Miami Ave., have completed plans for 2-story rooming house at 284 N. E. 58th Terrace; cost \$15,000, 30 rooms.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Fla., Miami—Mutual Investment Co., C. A. Haines of Haines Realty Co., Pres., has plans by Schimek & Dunkle for \$80,000 business and apartment building, N. W. 24th St. and 17th Ave.; 7 stores and 21 apartments, Spanish type.

Fla., Palatka—Palatka Hotel & Industrial Co., J. E. Bennett, Pres., receives bids Aug. 9 for \$600,000, 11-story hotel; limestone base, brick shaft, terra cotta trim, 2 high-speed elevators; Fred A. Bishop, Archt., 903 Electric Bldg., Richmond, Va.*

Fla., Pensacola—Barcelona Apartment Co., A. M. Hoagland, Pres., will erect \$175,000 apartment house at Gadsden and Barcelona Sts.; 2 stories, 16 suites, 150 ft. frontage, stucco, Spanish tile roof, electrical refrigeration, incinerator plant.

Fla., Venice—Tom Green, Tom Green Battery, St. Petersburg, will erect \$85,000 building, Miami and Ponce de Leon Aves., to contain ten apartments, five stores, four offices and filling station; tile and brick; French & Gill, Archts., Tampa and Venice; Walker & Gillette, Const. Archts., 128 E. 37th St., New York.

Fla., Vero Beach—C. B. Geckler will erect \$25,000 apartment building, Royal Palm Drive and Leon Ave.

Ga., Atlanta—Enterprise Development Co. will erect \$27,000 brick veneer apartment building, 585 Virginia Ave.

Ga., Louisville—Louisville Hotel Co. will erect number additional rooms.

La., New Orleans—L. J. Brownson will erect 3-story apartment house, St. Charles Ave. and General Pershing St.

La., New Orleans—Dr. Theodore J. Dimitry, 3601 Prytania St., will soon start erection of apartment house, St. Charles Ave.

Mo., St. Louis—Niehaus & Metal Co., 2427 S. Broadway, will erect two 2-story tenements, 6011-15 Carlsbad St.; cost \$10,000, 25x44-ft., brick, composition roofs, furnace heat.

N. C., Asheville—Southeastern Hotels Co., Emmett E. Robinson, Pres., Aragon Hotel, Jacksonville, Fla., having plans prepared by W. L. Stoddard, 50 E. 41st St., New York, for 125-room addition to George Vanderbilt Hotel.*

N. C., Elizabeth City—W. L. Stoddard, 50 E. 41st St., New York, selected to prepare plans for "Virginia Dare" community hotel; 9 stories, 100 rooms, 6 stores on first floor; cost \$450,000; C. O. Robinson, Chmn., Hotel Committee.*

N. C., Sedgewick—Sedgewick Incorporated, A. W. McAllister, Pres., Irving Park, Greensboro, receives bids July 22 through Harry Barton, Supervising Archt., 129 Wainman Ave., Greensboro, for \$400,000 brick and frame Sedgewick-Continental Hotel; 150 rooms; also \$20,000 tea room; Nathan Harris, Archt., Newark, N. J.*

N. C., Wilson—C. W. Stokes will erect \$10,000 apartment house on Kenan St.

Okla., Cushing—D. H. Hudson, Thompson Hotel, contemplates erection hotel on N. Cleveland Ave.

Okla., Oklahoma City—G. A. Nichols erect three apartment buildings; cost \$30,000.

S. C., Folly Beach—Citizens & Southern Co., James Connor, Resident Mgr., 37 Meeting St., Charleston, will erect hotel.

Tenn., Signal Mountain—Webster T. James, owner of Signal Mountain Hotel, plans \$150,000 improvements.

Tex., Austin—Mrs. Emma Wentworth, 2000 Whittis Ave., will erect \$20,000 residence and apartment building; 2 stories, basement and attic, stucco exterior, composition roof, stucco, 4 tile baths, furnace heat; H. F. Kuehne, Archt., Littlefield Bldg.

Tex., Catarina—Winter Garden Farms, Inc., J. E. Jarrett, Frost Natl. Bank Bldg., San Antonio, receiving bids for \$35,000, 2-story, brick and reinforced concrete hotel building; John Marriott, Archt., Frost Natl. Bank Bldg., San Antonio.

Tex., Dallas—M. R. Cook, 1900 Moore St., will erect 48-room, brick veneer, apartment house, 4624 East Side St.; cost \$26,000.

Tex., Dallas—J. B. White, 5444 Bonita Ave., will erect 3-story, brick, 30-apartment, 4215 Live Oak St.; cost \$140,000.

Tex., Houston—Howard M. Jackson, 2117 Milam St., will erect \$12,000 apartment house, 1713 Welch St.

Tex., Menard—Chamber of Commerce interested in erection of \$100,000, fireproof, brick and concrete hotel building.

Tex., Sherman—Sherman Hotel Co., care Stanley Bros., will erect \$300,000, 5-story and basement, brick, stone, tile and rein-

forced concrete hotel; passenger elevator; Boyle & Carrington, Archts., 1800 Caruth St.; Gardner & Howe, Struc. Engrs., Kirby Bldg., both Dallas.

Tex., Olmito—Al Parker Securities Co. is reported to erect 50-room hotel, swimming pool and bathing beach; also office building in connection with development of Olmito.

Tex., Val Verde—Val Verde Mercantile Corp., H. P. Hansen, Pres., Donna, plans to erect \$100,000, 3-story, 50-room hotel.

Va., Richmond—Jefferson Hotel, Franklin St., will erect addition and improve building; cost \$60,000 to \$75,000.

Miscellaneous

D. C., Washington—B. B. Wills, 208 Hill Bldg., 17th and I Sts. N. W., purchased Chapel Point Park and farms, 880 tract; plans improvements to resort.

Fla., Sulphur Springs—Josiah Richardson, 105 E. Palm Ave., Tampa, is having plans prepared by Floyd Hammill for \$200,000 dance hall at Sulphur Springs Amusement Park; 150x240 ft., steel frame, hollow tile and stucco, hardwood floors, composition and tile roof; equipment \$50,000. See Machinery Wanted.*

Fla., Tampa—Tampa Woman's Club, Mrs. C. R. McFarland, Chairman Building Comm., 345 Hyde Park Ave., will erect auditorium and banquet hall, 315 Plant Ave.; 2 stories, 90x55 ft.; cost \$40,000; F. O. Adams, Jr., Archt., 510½ Franklin St.*

Md., Baltimore—Society for Prevention of Cruelty to Animals, 612 N. Calvert St., Mary B. Shearer, Pres., purchased old Carroll home adjoining Roosevelt Park; will remodel home for clubhouse; erect number of kennels.

Md., Frederick—Board of Managers, Home for Aged, Mrs. Jos. D. Baker, Pres., having plans prepared by Mottu & White, 527 N. Charles St., Baltimore, for home on Benz St.*

Miss., Biloxi—Holmhaven, Inc., Herbert C. Shimp, Pres., 360 N. Michigan Ave., O. O. Carpenter, Vice-Pres., both Chicago and Biloxi, will soon start work on "The Plantation," amusement spa at Holmhaven, near Biloxi; cost \$250,000; water sports room 80x147 ft., glass swimming pool 40x105 ft., dance hall with glass floor, supper club grill 52x152 ft.; to be operated by Harry C. Moir, Morrison Hotel, Chicago; Carl Matthes, Archt.*

Miss., De Lisle—Mississippi Coast Realty Co., B. Champlin, Sales Mgr., Gulfport, has plans by N. W. Overstreet, Overstreet Bldg., Jackson, for clubhouse in connection with development of Live Oak Park subdivision.

Mo., Clayton (Sta. St. Louis)—John Ochs will erect \$15,000 brick assembly hall, Maple Ave., W. De Hodiament Place; 40x102 ft.

S. C., Gaffney—Cherokee County Fair Association, J. B. Johnston, Sec., 109 W. Frederick St., will receive bids July 20 for six frame buildings; cost \$10,000; 1-story, metal roofs, cement and dirt floors, brick foundation; W. T. Duncan, Archt., W. Frederick St.*

Tex., Houston—Mrs. H. E. Garwood, 3404 Montrose Blvd., reported interested in erection of Women's Club building at Main and Prospect Sts.

Tex., Sherman—Red River Valley Fair Assn., L. L. Etchinson, Sec., will erect Manufacturers' Merchants' and Automobile Building at fair grounds; cost \$12,000; 60x100 ft., brick and reinforced concrete; also remodel building for livestock pavilion.

Schools

Fla., Miami—Sigma Alpha Epsilon Fraternity, University of Miami, will erect chapter house.

Fla., Orlando—Orange County Special Tax School Dist. No. 6 votes July 16 on \$105,000 school bonds. Address Dist. School Trustees.

Fla., Tampa—Hillsborough County Board of Education, W. D. F. Snipes, Supt., receives bids July 22 for 16-room elementary school, Ola and Osborn Aves., for Special Tax School Dist. No. 4; plans and specifications at office Frank Dunham, Archt., Tribune Bldg.; also erect junior-senior high school near Palma Ceia golf course.*

Ga., Fair Mount—County School Board, Calhoun, plans to erect school building; will vote on bonds.

Ga., Stateville—Echols County will vote Aug. 4 on \$32,000 bonds for erection high school; J. T. Culberson, Sec., County Board of Education.

Ky., Greendale—Kentucky Houses of Reform, E. C. Hardin, Supt., will remodel two

dormitories; frame, concrete and steel; Frankel & Curtis, Archt., Hernando Bldg., Lexington. See Machinery Wanted.*

La., Eunice—Acadia Baptist Academy will erect \$10,000, 2 story, frame dormitory in Prairie Hayes section near Eunice.

Fla., Sebring—County Board of Public Instruction, Col. F. N. K. Bailey, Supt. of Schools, will soon let contract for \$10,000 grammar school at Brighton, gift of James Bright of Curtiss-Bright properties at Brighton.

Fla., Oakland—Board of Public Instruction will erect schools at Oakland and Cabbage Grove to replace burned structure; soon call for bids.

Ky., Lexington—Board of Education, J. H. Simral, Clk., is having plans prepared by F. C. Warner and W. R. McCormack, both Bulkley Bldg., Cleveland, Ohio, for \$300,000 senior high school, E. Main and Walton Sts.; 2 and 3 stories, fireproof, reinforced concrete and wood floors, slate and composition roof, concrete foundation; bids opened about Nov. 1. See Machinery Wanted.*

Mo., Ottumville—School Board, J. L. Spillers, Sec., is having plans prepared by D. P. Pampel, Finance Bldg., Kansas City, for \$33,000, 2-story and basement brick school building; 77x67 ft., concrete foundation, composition roof.*

N. C., Leaksville—Rockingham County School Board is having plans prepared by J. W. Hopper for \$40,000, one-story, brick school for negroes.*

N. C., Kannapolis—School Board receives bids July 20 for 12-room and auditorium addition to East Kannapolis Graded School; plumbing and heating under separate contract; plans and specifications at office Frank B. Simpson, Archt., Masonic Temple Bldg., Raleigh.

Okla., Billings—Board of Education will erect school building; \$15,000 bonds voted.

S. C., Fairfax—School Board is having plans prepared by J. H. Sams for high school building.

Tenn., Chattanooga—City Commission ordered election Sept. 2 on \$420,000 school bonds. Address Mayor Hardy.*

Tenn., Nashville—State Board of Education will erect following buildings at State Agricultural & Industrial Normal: \$100,000 library and \$50,000 library; Marr & Holman, Archts., Stahlman Bldg.; \$120,000 classroom, Stone & Tisdale, Archts.; five cottages for teachers, \$200,000, Asmus & Clark, Archts., Stahlman Bldg.*

Tex., Austin—State Board of Control will receive bids July 22 for erection dormitory, industrial and manual training building and hospital at Austin State School; plans and specifications at office H. F. Kuehne, Archt., Littlefield Bldg.

Tex., Banquete—Banquete Common School Dist. No. 4 voted \$12,000 bonds to repair and equip school; Jesse Wright, Judge, Nueces County Commrs. Court.*

Tex., Cuero—School Board will soon let contract for erection school building.

Tex., Dallas—Board of Education, Dr. N. R. Crozier, Supt. Schools, 3408 Cole St., opened bids for erection S. J. Hay and Lagow Schools; low bids for S. J. Lagow School: General contract, Stearman & Son, \$74,987; heating, L. R. Snider, \$12,380; plumbing, A. S. Pierce & Son, \$5335; electrical, N. E. Barbee Co., \$1740; Lagow School, L. H. Lacy, \$69,740; electrical, W. T. Butcher, \$2496; plumbing, Sanguinet & Payne, \$7677; Flint & Broad, Archts., Melba Bldg.*

Tex., Denton—College of Industrial Arts, Dr. L. H. Hubbard, Pres., will erect \$200,000 classroom building, \$165,000 dormitory and \$50,000 hospital; later erect \$135,000 dormitory and \$150,000 music building.

Tex., Elgin—Board of Education, Ed Fromme, Pres., will erect \$80,000 high school; 3 stories; also remodel one-story ward building; both brick, stone and concrete; Page Bros., Archts., 348 Austin Natl. Bank Bldg.; bids opened July 14.

Tex., Edinburg—Edinburg Independent School Dist. is having plans prepared by Giesecke & Harris, 207 W. Seventh St., Austin, for erection number of buildings; voted \$1,000,000 bonds for five-year improvement.

Tex., Fort Worth—Board of Education, Marvin D. Edwards, Supt., will erect recreation building, Rio Grande and Galveston Sts.; cost \$55,000, brick and reinforced concrete; E. W. Van Slyke & Co., Archts., 403 Reynolds Bldg.

Tex., Friona—Board of Education selected E. F. Rittenberry, 303 Blackburn Bldg., Amarillo, prepare plans for \$35,000, 2-story,

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brick and reinforced concrete school building.

Tex., Hillsboro—Hillsboro School District Trustees has plans by F. E. Robertson, 3308 Dartmouth St., Dallas, for extensions to Junior High and Travis Elementary Schools; repairs to Harris, Franklin and Peabody Schools; cost \$60,000; W. F. Dougherty, Supt. of Schools.*

Tex., Houston—Harris County Board of Education plans to erect \$300,000 vocational high school within next year, gift of Will C. Hogg, 4410 Rossmoyne Blvd.

Tex., Houston—Board of Education is having plans prepared by J. W. Dehnert, Kress Bldg., for additions to Harvard, Cooley and Sherman Schools.

Tex., San Antonio—Los Angeles Heights Independent Dist. School Board, W. H. Shaw, Sec., selected Adams & Adams, Builders Exchange Bldg., to prepare plans for two brick and concrete ward schools, cost \$30,000; equip and repair present buildings, \$60,000.*

Tex., San Benito—Board of Education, F. W. Roberts, res., will erect 1-story, auditorium and 12-classroom high school; brick, hollow tile and concrete; 1-story, 6-room grade school; remodel present high school for junior high school; cost \$130,000; bids on file about July 17; Harvey P. Smith, Archt., Natl. Bank of Commerce Bldg., San Antonio.

Tex., Stanton—Board of Education will erect high school; \$40,000 bonds voted; ready for bids about Aug. 15.

Tex., Tahoka—Tahoka Independent School Dist. Trustees receive bids July 22 for \$100,000 high school in Zappe Heights; David S. Castle, Archt., Abilene.

Tex., Wills Point—School Board will erect \$43,000 high school; remodel grade school, \$12,000; C. H. Leinbach, Archt., 605 Central Bank Bldg., Dallas.*

Va., Chatham—Pittsylvania County School Board receives bids July 22 for erection \$22,000 school for Spring Garden and \$18,000 for Gretna school; plans and specifications at office F. B. Watson, Division Supt., Chatham.*

Va., Emory—Emory and Henry College plans to erect \$100,000 science building; Dr. Hillman, Pres.

Va., Gretna—See Va., Chatham.

Va., Martinsville—T. Turner Clement, Judge, Henry County, ordered election Aug. 3 on \$170,000 bonds as follows: Martinsville Magisterial Dist., \$80,000; Horse Pasture Magisterial Dist., \$35,000; Reed Creek Magisterial Dist., \$30,000; Ridgeway Magisterial Dist., \$10,000; Leatherwood Magisterial Dist., \$7,900; Irisburg Magisterial Dist., \$6,000; B. Clifford Good, Supt. of Schools.

W. Va., Morgantown—State Board of Control, James S. Lakin, Pres., Charleston, 403 Capitol St., opened bids for erection Women's Physical Education Building at West Virginia University; low bids as follows: General contract, Chas. D. Keyser & Co., Bellaire, Ohio, \$212,500; plumbing and heating, Alex Zeek & Son, Front and Kirk Sts., Morgantown, \$17,458 and \$16,237, respectively; electrical work, Rosenblatt & Hunt, Professional Bldg., Charleston, \$4,238; plans by Davis, Dunlap & Burney, 1805 Walnut St., Philadelphia, Pa., include 4 stories, 114x51 ft., fireproof structure, face brick, hollow tile, concrete, structural steel, cut stone, cement, terrazzo and wood floors, slate roof.*

Stores

Fla., Miami—Chas. Z. Allen will soon let contract to erect 2-story, cement block and stucco business building on Everglade Ave. in Little River; Spanish design, 5 stories.

Fla., Miami—M. J. Roughan will erect \$25,000 group of stores at N. W. 36th St., between 18th and 19th Aves.

Fla., New Smyrna—J. G. McCrory Co., 1107 Broadway, New York, is reported to erect building at Canal and Orange Sts.

Fla., Tampa—Bonwit, Teller & Co., Fifth Ave. and 38th St., New York, will erect building on Plant Ave. between Verne Ave. and Beach Place.

La., Monroe—S. J. Rivoire, 126 S. Grand St., will remodel building for two stores; J. M. Smith, Archt.

La., Monroe—Trousdale & Slater, 128 S. Grand St., will improve building; new front, walls ceilings.

N. C., Durham—Isaac Silver & Brothers, 130 Fifth Ave., New York city, leased building at 120 W. Main St. and will remodel.

Tex., Houston—T. H. Scanlan Estate, Scanlan Bldg., will erect 7-story business building,

400 block Main St.; 44x100 ft., structural steel and concrete, terrazzo floors, composition roof, concrete foundation; cost \$160,000; bids opened about Dec. 1; Wm. Ward Watkins, Archt., Scanlan Bldg. See Machinery Wanted.*

Tex., Mission—Ralph A. Cameron, City Natl. Bank Bldg., San Antonio, preparing plans for \$300,000 block of one-story brick stores for George Spears, Mrs. Fred Booth, A. H. Strahle, Duncan & Melch, D. C. Decker, A. L. Brooks and W. L. Pearson & Co.

Tex., Sanderson—Joe Kerr will erect 2-story, basement, brick and concrete business building; Breeding & Johnson, Sanderson, low bidders at \$71,737; Henry T. Phelps, Archt., Hicks Bldg., San Antonio.

Tex., San Antonio—McCrory Stores Corp., care McNeny & McNeny, Archts., Gunter Bldg., will erect \$125,000 building, Houston and Navarro Sts.; 2 stories and basement, fireproof, 140x190 ft.; bids opened.

Tex., San Antonio—G. Zichichi, 905 W. Myrtle St., having plans prepared by Seutter & Simons, Builders Exchange, San Antonio, for one-story, brick, hollow tile and concrete store building, N. Flores and Myrtle Sts.

Tex., San Juan—Jack L. Doyle will soon call for bids for erection 2-story brick and concrete store and apartment building.

Tex., Three Rivers—H. T. Harber will erect \$10,000 tile and concrete store building.

Tex., Waco—David George, 716 S. Sixth St., will erect 3-story brick building on Austin St., near 11th St.; cost \$20,000.

W. Va., Wheeling—Arnold J. Friedman, 1059 Main St., will erect \$13,000 store and dwelling, 1059 Main St.

Theaters

Fla., Eau Gallie—A. E. Van Croix, Melbourne, is reported to erect \$85,000 theater.

Fla., Lakeland—J. E. Melton, Hotel Thelma Bldg., will erect \$240,000 theater at Leimon St. and Florida Ave.; seating capacity 1800; also erect \$150,000 hotel adjoining; both rein-

forced concrete and stucco, tile front; Jas. E. Casale, Archt., 226 Allied Bldg., Tampa.

Fla., Miami—H. & D. Realty Co., Durant Bldg., will erect \$200,000 theater, W. Flagler St. and 12th Ave.; seating capacity 1300, Moorish type; D. Leonard Halper and Lee Perry, Asso. Archts., 310 Realty Board Bldg.

Fla., Ybor City—Ybor City Theater Co., S. H. Rogers, Pres., will erect \$250,000 theater at 17th St. and E. Broadway; seating capacity, 1230; install \$20,000 organ; Nicholas Mitchell, Archt., 308 Cass St., Tampa.

Md., Baltimore—Marcus Loew Interests, E. A. Schiller, representative, 1540 Broadway, New York, reported to expend \$1,500,000 for improvements to Century, Century roof and Parkway theaters; John Ebersson, Archt., 212 E. Superior St., Chicago.

Tex., Amarillo—Dent Theaters, Inc., 2009½ Jackson St., Dallas, has plans by W. B. Palmer, same, for \$75,000, 2-story, brick, stone, 40x100 ft. theater building at Taylor, near Fourth Sts.*

Tex., Greenville—Greenville Theaters, Inc., Jack Lilly interested, will erect theater at Lee and St. John Sts.; seating capacity 1500.

Warehouses

Fla., Tampa—Dade County Lumber Co., R. P. Paddison, Mgr., will erect \$150,000 building in Palm Beach Heights for offices, sheds and warehouse.

La., New Orleans—Wizard Improvement Co., 1400 Whitney Bldg., will remodel 2-story, 120x121 ft. building at 215 Julia St. for warehouse; 2 stories, composition roof, cement floors, brick foundation; Favrot & Livaudais, Archts., Hibernia Bldg.

S. C., Newberry—Wilson, Berryman & Kennedy, Columbia, completed plans for warehouse.

Tenn., Columbia—W. M. Riley, representing Jewel Tobacco Warehouse Co., Cedar and Mill Sts., Lexington, Ky., leased tobacco warehouse at Columbia Stock Yards and will remodel.

BUILDING CONTRACTS AWARDED

Association and Fraternal

Ala., Demopolis—Demopolis Lodge No. 49, A. F. & A. M., Strawberry and Decatur Sts., let contract for \$15,000 building to Commercial Lumber Co.; 2 stories, 36x80 ft., concrete or brick foundation, metal roof; plans by Acme Supply Co., Meridian, Miss.*

La., Rayville—R. F. McGuire Lodge No. 209, F. & A. M., and C. R. Balfour Lodge No. 12, K. of P., let contract to J. J. Inelchen for \$42,500 building; 2 stories, 60.8x110 ft., oak and concrete floors, Johns-Manville roof; furnishings, equipment, etc., \$5,000; stores on first floor, lodge rooms above; plans by Contr.; work under way. Address Mr. Inelchen. See Machinery Wanted.*

Tex., San Antonio—Union Fraternal Mexican, Cementville, let contract at \$11,363 to B. R. Heath, Builders Exchange Bldg., for community center building, Cementville; concrete, 1-story; Phelps & DeWees, Archts., 718 Gunter Bldg.

Bank and Office

La., New Orleans—Gore & Daubert, Inc., 835 Baronne St., has hot water heating contract for Whitney Central Trust & Savings Bank, Canal Branch; Emile Weil, Inc., Archt.; Geo. J. Glover Co., Inc., Contr., both Whitney Bldg.*

Mo., St. Louis—Consolidated Investment Co., 915 Olive St., alter 16-story store and office building, 903-21 Olive; cost \$22,500; Brussell & Viterbo, Archts., Arcade Bldg.; J. Hill Construction Co., Contr., 915 Olive.

N. C., Greensboro—Following sub-contracts let for \$250,000 Piedmont Bldg. for Richardson Realty Co., Inc.: reinforcing steel, Aruscon Steel Co.; tile and marble, McClamroch Co.; Walker Ave.; roofing Gate City Roofing Co.; wiring, Milton Electric Co.; 220 N. Elm St.; plumbing, Crutchfield Plumbing Co.; 311 S. Green St.; heating, B. MacKenzie, 349 N. Elm; all Greensboro; struct. steel, Dietrich Bros., 220 Pleasant St., Baltimore, Md.; terra cotta, Atlantic Terra Cotta Co., 350 Madison Ave., New York; elevator fronts, United Metal Products Co.; steel casements, Crittall Casement Windows Co., 1095 Hearn St., Detroit, Mich.; glass and glazing, Pittsburgh Plate Glass Co., Frick Building, Pittsburgh, Pa.; mail chute, Antler Mail Chute Co., Cutler Bldg., Rochester, N. Y.; structure 5 stories, foundation to carry 5 addi-

tional stories, 75x136 ft., Italian Renaissance type, Duraplex floors or equal, hollow tile partitions, birch and walnut trim, steel frame, elevators, Barrett specification roof, ornamental terra cotta and brick; furnishings, equipment, etc., \$75,000; Harry Barton, Archt., Jefferson Standard Bldg.; pouring footings.*

N. C., Greensboro—W. F. Ross, Benbow Arcade, and J. W. Money, W. Market St., erect \$50,000 store and office building, W. Market St. and Stafford Place; 3 stories; F. N. Coe, Contr.

Tex., Austin—Ewell Nalle, 1220 W. Sixth St., let contract for fireproof office building to Richard Schmidt, 76 Rainey St.; 6 stories, 40x80 ft., brick, stone and concrete, built-up roof, concrete floors; Geo. Louis Walling, Archt., Scarborough Bldg.*

Tex., Levelland—First National Bank started work on \$20,000 brick building; 2 stories, 30x90 ft., concrete, wood and tile floors, concrete foundation, asphalt roof; furnishings, equipment, etc., \$10,000; Harvey C. Allen, Archt., Lamesa. See Machinery Wanted.*

Churches

Ala., Ensley—First Methodist Church let contract for \$85,000 Sunday school to Earl Cline, Box 621; brick, steel and wood floors, frame, 4 stories, 50x150 ft., wood floors, concrete foundation, built-up composition roof; Geo. P. Turner, Archt., 1203-04 American Trust Bldg., both Birmingham. See Machinery Wanted.*

Ala., Marion—Presbyterian Church erect \$15,000 Sunday school; John W. McKell, Archt., Selma; J. A. Wood, Contr.

D. C., Brookland, Washington—Brookland Baptist Church, Rev. O. O. Dietz, Pastor, ready for bids on Sunday school unit of \$300,000 structure; cost \$125,000, Georgian Colonial type, Doric order, Colonial red brick, limestone trim, 3 stories and basement, accommodate 1240; Herbert L. Cain, Archt., Grace Securities Bldg., Richmond, Va.*

La., Gretna—St. Joseph's R. C. Church, Rev. P. M. H. Wynhoben, Pastor, let contract at \$86,000 to Jos. Fromherz, Inc., Title Guarantee Bldg., for reinforced concrete, pressed brick and cast stone trim building; tile roof, pile foundation, plastered interior, metal lath, concrete floors; Wm. R. Burk, Archt., Balter Bldg., both New Orleans.*

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La., New Orleans—Jas. R. Sutton, Tulane Newcomb Bldg., has misc. iron and struct. steel contract for \$35,000. Annunciation R. C. Church; Rathbone DeBuys, Archt.; Juan J. Landry and Albert L. Theard, Asso. Archts., all Hibernia Bldg.; A. LeBlanc, 911 Belleville St., and L. B. Renard, Contrs.*

La., Winnsboro—First Methodist Church, Rev. F. W. Rickey, Pastor, let contract to N. M. Merriwether for \$30,000 brick building; 2 stories, 41x80 ft., composition roof, cement and wood floors, art glass windows, plastered interior; John W. Baker, Archt., Crowleyville.*

Md., Baltimore—Pimlico Baptist Church let contract to Avon Construction Co. for \$35,000 brick and cast stone building, Park Heights and Oakley Aves.; 2 stories and basement, 50x60 ft., edge grain pine floors, concrete foundation, slate roof; furnishings, equipment, etc., \$10,000; John Freund, Archt., St. Paul and Preston Sts.*

Miss., Dundee—Methodist Church erect brick veneer building; cost about \$10,000, 1 story and basement, 75x42 ft., composition shingle roof, wood floors; Polk Agee, Archt., 1315 Fidelity Bank Bldg., Memphis, Tenn.; J. H. Motton, Contr., Tunica, Miss.

Okla., Fairfax—Baptist Church, Rev. R. D. Sheldon, Pastor, erecting \$35,000 building; white brick, 125x140 ft.; basement completed.

Okla., Oklahoma City—Epworth M. E. Church let contract for \$50,000 addition to C. E. Huffman; brick and stone, 2 stories, 75x65 ft., composition roof, pine floors and finish; steam heat; seat 1000, pipe organ; Hawk & Parr, Archts., Cotton Exchange Bldg.*

Okla., Sapulpa—First M. E. Church let contract for \$100,000 building to E. L. Bazwell, Seaman Bldg., Tulsa; brick, stone trim, reinforced concrete and joist floors, steel roof trusses, 2 and 4 stories, 80x113 ft., yellow pine floors, maple gymnasium floor, concrete foundation, copper and built-up asphalt roof; furnishings, equipment, etc., \$10,000; Griffith Co., Archt., 425 Clayton Bldg., Address Archt. or Owner. See Machinery Wanted.*

Tenn., Bradford—Baptist Church erect building; Creswell Bros., Contrs., Milan.

Tex., Corsicana—First Methodist Church, Rev. E. W. Potter, Pastor, let contract to John Carson for remodeling building; cost \$25,000, brick, stone and frame, 1-story, balcony and part basement; R. H. Hunt Co., Archt., James Bldg., Chattanooga, Tenn., and S. W. Life Bldg., Dallas, Tex.*

Va., Richmond—Grove Avenue Baptist Church, Grove Ave., let contract at \$56,000 to Davis Bros., Inc., 1716 Summit Ave., to remodel burned structure; 2 stories, wood floors, slate roof; steam heat; L. Otis Spiers, Archt., 1716 Summit; struct. steel, Richmond Structural Steel Co.*

City and County

Ala., Sheffield—City Commission, Alan J. Roulhas, Pres., let contract for \$75,000 city hall to R. L. Proctor Co., Nashville, Tenn.; brick and stone, 3 stories, 75x75 ft.; plumbing, Machloff's; heating, J. K. Johnson; wiring, Triumph Electric Co.; Harry J. Frahn Co., Inc., Archt.

Fla., DeLand—City Board of Bond Trustees let contract at \$52,063 to J. C. Hanner Construction Co., 130 S. Orange St., Orlando, for city hall; 2 stories, 60x125 ft., wood floors, concrete foundation, Barrett roof; Gouverneur M. Peek, Archt., 217 Conrad Bldg., W. New York Ave.*

Ga., Trenton—Dade County Board of Commissioners let contract for \$35,000 courthouse to Barrett Co., Dalton; brick and concrete, 2 stories, 45x50 ft., concrete and rock foundation, slate roof.*

Mo., St. Louis—Division of Parks and Recreation, 330 Municipal Courts Bldg., let contract at \$107,860, without heating (to be done by owner, \$7500), to Kremmer & Volrol Construction Co., 720 Century Bldg., for locker building and restaurant, Forest Park; Spanish type, fireproof, brick, stucco, 1 story and basement, 212x94 ft., plain and reinforced concrete and terrazzo floors, concrete foundation, Ludowici tile and gypsum slab roof; furnishings, equipment, etc., \$35,000; Harold E. George, Archt., 330 Municipal Courts Bldg.; J. J. Reilly, Engr., Div. of Bridges and Buildings, 302 City Hall. See Machinery Wanted.*

N. C., Albemarle—Stanly County Board of Commrs. let contract to Jas. D. Harwood to remodel courthouse.

Okla., Pawhuska—City let contract for \$50,000 administration building at fair grounds to Louis Mueller; concrete, brick and steel, 2 stories, 100x100 ft., concrete floors and foundation, built-up roof; Harry

D. Joll, Archt., American Natl. Bank Bldg.; work under way.*

Tex., Abilene—City let contract at \$72,000 to C. S. Oates for auditorium; fireproof, 1-story and balcony, 80x140 ft.; face brick, struct. steel, cement floors, ventilators, pine trim, reinforced concrete foundation, tin and tar and gravel roof; Nichol & Campbell, Archts. See Machinery Wanted.*

Dwellings

Ala., Selma—E. D. Putman erect residence; John W. McKell, Archt.; Mr. Smith, Contr.

Ala., Uniontown—Percy Hinton erect residence; cost about \$10,000; John W. McKell, Archt., Selma; J. A. Wood, Contr., Marion.

Ark., Little Rock—Jas. M. Coates, 1807 Arch St., erect brick veneer residence, 2216 N. Spruce St.; tile roof and bath, shower, hardwood floors, garage, servants' quarters; Wm. Dill, Archt., 605 Boyle Bldg.; J. R. Casey, Contr., 1006 Rice St.

Ark., Little Rock—Robt. Hogg, 1716 Battery St., erect brick veneer residence, 5121 Prospect Ave.; 1 story, tile bath, wood shingle roof, garage, servants' quarters; R. J. Huckaby, Contr., 1521 Spring St.

Fla., Jacksonville—Vetter Goodwin, 514 Donald St., erect 2-story, frame residence, Oak St., near Mallory St.; M. L. Goodwin, Contr.

Fla., Jacksonville—M. H. Haughton, 2210 St. Johns St., erect 2-story, frame residence, Forbes St., near Vinant St.; cost about \$10,000; E. E. Anders, Contr., Blum Bldg.

Fla., Jacksonville—Mrs. R. G. Wallace erect \$15,000 brick veneer residence, College St., near Copeland St.; 2 stories; Peter Keller, Contr.

Fla., Lake Wales—Mammoth Grove Corp., E. C. Mason, Vice-Pres., erect number employees' dwellings; construction by A. C. Mathias, supt. of Mammoth Grove.

Fla., Live Oak—Dr. J. M. Price erecting residence, Pine St.

Fla., New Smyrna—Fiveash & Watson have contract for 5 dwellings, Oakdale sub-division, including 1 for C. W. Morgan.

Ga., Atlanta—A. H. Bailey, Glenn Bldg., let contract for \$45,000 residence, Ponce de Leon Ave.; brick, stone and tile, 3 stories, 85x40 ft., wood and tile floors, concrete foundation, slate roof; furnishings, equipment, etc., \$20,000. Address Raymond C. Snow & Co., Archts., 812 Bona Allen Bldg. See Machinery Wanted.*

La., Alexandria—Dr. P. K. Rand erect \$12,000 residence; brick veneer, 2 stories; C. Scott Yeager, Archt.; E. T. Elam, Contr.; plumbing, C. A. Hunter; brick, Rapides Brick Co.; work started.

La., New Orleans—Walter C. Dwyer 2630 Peters Ave.; erect \$18,500 2-story building, Audubon Blvd. and Hickory St.; Paul G. Charbonnet, Contr.

La., New Orleans—Frank J. Stich, Maison Blanche Bldg., let contract to Bernard Segal for \$12,500 duplex, Dumaine St. near Delgado Drive; 2 stories, frame, tile roof, tile and finished floors; Lockett & Chachere, Archts., Title Guarantee Bldg.*

La., New Orleans—Robt. Acorn, 2132 N. Broad St., erect \$10,000 duplex, Prichard Place near Carrollton Ave.; 2 stories, tile roof; Thos. L. Powell, Contr., Bonabel Place.

La., New Orleans—B. Segal, 1735 Carondelet St., has contract at \$12,360 for 2-story frame duplex, Dumaine St., near Delgado Ave.; Lockett & Chachere, Archts., Title Guarantee Bldg.

La., New Orleans—Aetna Homestead Association erect 2 double cottages, Broadway and Gen. Hood St.; total cost \$10,000; Albert B. Orduna, Contr., 2487 St. James St.

La., New Orleans—Jos. Coel erect \$20,000 single cottage, Magnolia and Delgado Drives; Wm. Wallace, Contr., 131 N. Hagan St.

La., New Orleans—A. Jaubert let contract at \$11,700 to B. Segal, 1735 Carondelet St., for 2-story frame duplex, Willow and Short Sts.; Lockett & Chachere, Archts., Title Guarantee Bldg.

La., New Orleans—Equitable Homestead Assn. erect \$14,000 single bungalow, Versailles Blvd. and Claiborne Sts.; Edw. L. Markel, Contr., 3838 Louisiana Pkwy.

Md., Baltimore—Dr. Jos. E. Gately, Greenway Apartments, erect \$10,000 brick residence and garage, Witherspoon Rd., near St. Albans Way; 2 stories, 38x25 ft. and 12x19 ft., slate roof, stove heat; J. S. Downing, Archt.-Contr., 2609 Greenmount Ave.

Md., Baltimore—Dr. Jos. E. Gately, Greenway Apt. erect \$10,000 brick residence and garage, Witherspoon Rd. near St. Alban's Way; 2 stories, 38x25 ft. and 12x19 ft., slate

roof, stove heat; J. S. Downing, Archt.-Contr., 2609 Greenmount Ave.

Md., Baltimore—Wm. Kornmann, 1604 W. North Ave., erect \$14,000 brick residence, Tunbridge Rd. near St. Alban's Way; 2½ stories, 45x31 ft., slate roof, vapor heat; J. W. Wolcott, Archt., 18 E. Lexington St.; Henry T. Sorrell & Son, Contrs., 4112 Kathland Ave.

Md., Baltimore—Chas. J. Schafer, 34 S. Eutaw St., erect \$10,000 brick residence and garage, 3812 Juniper Rd.; 2 stories, 36x24 ft. and 20x19 ft., slate roofs, vapor heat; J. S. Downing, 2609 Greenmount Ave., Archt.-Contr.

Md., Baltimore—Margaret P. Shryock erect \$10,000 residence and garage, Tilbury Way near St. Dunstan's Rd.; 2 stories, 41x24 ft. and 20x12 ft., slate roofs, hot-water heat; W. H. Conroy, Jr., Archt.; H. S. Shryock, 4701 Reisterstown Rd., Contr.

Md., Baltimore—Wm. Kornmann erect \$14,000 residence, Tunbridge Rd. near St. Albans Way; 2½ stories, 45x31 ft., slate roof, vapor heat; J. W. Wolcott, Archt., 18 E. Lexington St.; Henry T. Sorrell & Son, Contrs., 4112 Kathland St.

Md., Baltimore—E. D. Finney erect \$25,000 residence, St. Georges Rd. near Roland Ave.; 2½ stories, 55x70 ft., slate roof, vapor heat; Palmer, Willis & Lambdin, Archts., 513 N. Charles St.; Thos. Hicks & Sons, Inc., Contrs., 106 W. Madison St.

Md., Baltimore—Geo. W. Schoenhals & Co., Munsey Bldg., erect 21 brick dwellings, 2500 block Edmondson Ave.; 2 stories; total cost about \$48,000; owner builds.

Miss., Jackson—J. T. Allen 1412 Grand Ave., erect \$15,000 residence, Clinton Blvd.; brick veneer, 1 story and basement, asphalt roof, tile bath, built-in features, servants' quarters; C. H. Lindsley, Archt., 1100 Lamar Life Bldg.; Westerfield & Weeks, Contr., Lamar Bldg.; heating, Enterprise Furnace Manufacturing Co., 111 Roach St.; plumbing, Warburton-Beacham Supply Co., 105 W. Capitol St.; wiring, E. W. Cook Co., Century Bldg.

Miss., Lexington—L. E. Barr erect \$18,000 residence; brick veneer 1 story, 8 rooms, 2 tile baths, oak floors, hot water heat; J. M. Spain, Archt., Millsaps Bldg.; Hanna & Garber, Contrs., 1110 Robinson St.; heating, Warburton & Beacham Supply Co., 105 W. Capitol St.; wiring, Electric Contractor, 157 E. Capitol, all Jackson.

Mo., Clayton, St. Louis—A. Herz erecting foundation of \$30,000 residence, 1 Carrswold; brick and hollow tile, 2½ stories, 98x52 ft., concrete foundation, slate roof; J. Bowling, Archt.; L. Stocker, Engr., all Arcade Bldg., St. Louis; work by sub-contracts. See Machinery Wanted.*

Mo., Clayton, St. Louis—Gustave Lippmann, Euclid and Pershing Aves., erect \$15,000 brick and stucco dwelling, Ennenwood; 36x62 ft.; J. Fruehwirth, Contr.

Mo., Jefferson City—John W. Case erect Spanish type residence, Fairmount Drive; owner builds.

Mo., St. Louis—C. Menninges erect 3 brick dwellings, 4120-24-28 Fillmore St.; 1 story, 24x32 ft., ruberoid shingle roofs; total cost about \$10,000; J. Brussell, Contr., both 3659 Alberta St.

Mo., St. Louis—A. Wenzlick, 1010 Chestnut St., erect 5 brick dwellings, 5346-50-52-56-58 Reber Place; 1 story, 38x24 ft., composition roof, hot air heat; total cost \$20,000; M. H. Fink, Archt., 4219A Margaretta St.; C. A. Maple, Contr., 3411 Lucas St.

Mo., University City, St. Louis—John and Ella J. Burns, 7100 Kingsbury St., erect brick residence and garage, 7046 Maryland St.; cost about \$10,000, 2 stories, 35x32 ft., slate and tile roof, hot water heat; W. N. Rombaugh, Archt.; H. E. Burns, Contr., Lockwood Bldg., Webster Groves, St. Louis.

Mo., University City, St. Louis—Frank Wehrle, 37 Arundel Place, erect \$11,000 brick residence, 7448 University Drive; 31.6x33.2 ft., slate roof, hot water heat; Nolte & Naumann, Archts., Fullerton Bldg.; owner builds.

Mo., University City, St. Louis—Geo. Weber, Jr., 19th and Locust Sts., erect \$15,000 brick residence, 7341 Maryland St.; 2 stories, 25.2x37.2 ft., tile roof, hot water heat; B. S. Cornwell, Archt.-Contr., 109 N. Eighth St.

Mo., University City, St. Louis—Carl A. Trumbull, 726 Westgate St., erect \$10,000 tile and stucco residence, 539 Central St.; 2 stories, 34x37 ft., tar and gravel and tile roof, hot water heat; Wm. V. Johns, Contr., 8124 Madison St.

Mo., University City, St. Louis—Thos. J. Frier, 1246 Amherst Place, erect \$10,000 brick and stucco residence, 7452 Stratford St.; 1½ stories, 39x36 ft., composition and

concrete flat roof, slate steeproof, hot water heat; Marcel Boulicourt Archt., 719 Buder St.; Aug. Gruenschlag, Contr., 5694 Kennerly St.

N. C., Charlotte—Mrs. W. A. Reynolds completed foundation for \$50,000 hollow tile and stucco residence, Providence Rd.; 3 stories, tile and hardwood floors, tile roof; Wm. Lawrence Bottomley, Archt., 112 E. 55th St., New York; Eli Clements Co., Contr., Commercial Bank Bldg.*

N. C., Chattanooga—L. J. Howard erect \$10,000 duplex, 1703 South Boulevard, Dilworth; Wood & Presnell, Contrs.

N. C., Greensboro—W. L. Stainback, Leftwich St., let contract for \$25,000 Colonial residence to W. B. Enoch & Son, 207 South Greensboro Bank; brick veneer, 2 stories, 47.6x36.6 ft., oak floors, concrete foundation, shingle tile roof; furnishings, equipment, etc., \$600; D. C. Enoch, Archt., 513 E. Bragg St.; 2-pipe steam heating and plumbing not let; electric work, R. H. Milton Electric Co., N. Elm St.; pouring footings. See Machinery Wanted.*

N. C., High Point—S. C. Clark, Parkway, erect two \$15,000 dwellings, Emerywood; J. F. Hedrick, Contr.*

N. C., Lexington—W. W. Woodruff let contract for residence.

S. C., Seneca—Lonsdale Co., Lonsdale, R. I., let contract for 175 or more dwellings for Seneca Co., subsidiary, to Townsend Lumber Co., Anderson, S. C.; total cost about \$300,000; J. E. Sirrine & Co., Engrs., Greenville, S. C.*

Tenn., Dresden—Mrs. Joe Boyd and J. N. Brasfield rebuilding burned residence.

Tenn., Memphis—M. A. Halle, 2382 Stratmore Place, remodel residence; cost about \$10,000; Geo. Mahan, Jr., Archt., 700 American Bank Bldg.; M. H. Brooks and B. L. Tisdale, Contrs., 2619 School St.

Tenn., Memphis—Geo. R. Mitchell, 220 Angelus St., let contract for \$16,000 English type residence, Hein Park, to L. L. Diehl, 1663 Forrest St.; brick veneer, 1 story and basement, 8 rooms, composition shingle roof, oak floors, tile bath, hot water heat, garage; Estes W. Mann, Archt., Cotton Exchange Bldg.*

Tex., Houston—Eldon Young let contract for Colonial residence, River Oaks; brick, timber gabled, warm air heat, 2 baths; Chas. W. Oliver, Archt., 4304 Roseland Ave.

Tex., Houston—Thos. Caldwell, 1314 Bomar St., erecting residence, Washington Terrace.

Tex., Houston—Mrs. Mamie I. Harris, 416 Saulnier St., erecting residence, Washington Terrace.

Tex., Houston—Jas. M. Rucker, 4104 Main St., care Southern Drug Co., started work on 2-story brick veneer residence, Rosewood Ave., Washington Terrace; Steves Lumber & Building Co., Contr.

Tex., Liberty—E. W. Pickett remodel residence; cost \$25,000, 2 stories, 48x67 ft., hardwood floors, Spanish tile roof; J. M. Glover, Archt., Larendon Bldg.; G. W. Vaughan, Contr., 403 Keystone Bldg., both Houston. See Machinery Wanted.*

Tex., Lockhart—Edgar Forke started work on residence, Blank's Addition.

Tex., San Antonio—A. B. Spencer, Bedell Bldg., erect \$40,000 residence, Vance-Jackson Rd.; 2 stories, stone and hollow tile; Richard Vander Straten, Archt., Travis Bldg.; John Westhoff, 524 school contract on cost plus basis.

Va., Radford—J. W. Flanagan, care Flanagan Bros., erecting brick residence.

W. Va., Martinsburg—First United Brethren Church let contract to A. S. Peery, Race St. and Boyd Ave., for \$10,500 parsonage 547 N. Queen St.; brick, 2 stories, 21x48 ft., oak floors, concrete foundation, sale roof; C. E. Kent, Archt.; heating, plumbing and painting not in gen. contract. See Machinery Wanted.*

Government and State

Fla., Orlando—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., let contract at \$19,990 to G. E. Tillman Construction Co., Centralia, Ill., for post office addition.*

Hospitals, Sanitariums, Etc.

La., New Orleans—W. Horace Williams Co., 816 Howard Ave., has pile-driving contract for \$250,000 first unit of Leonie M. Soniat Memorial of Mercy Hospital; elevator, American Elevator & Electric Co., 519 Poydras St., both New Orleans; gypsum tile partitions, Anchor Fireproofing Co., Atlanta,

Ga.; glazing, Pittsburgh Plate Glass Co., 314 Gerod St.; hardware, Stauffer-Eshleman Co., Ltd., 511 Canal St.; structure fireproof, 3 stories and basement, concrete, tile and brick, 50x150 ft., concrete and wood floors, concrete foundations, tile roof; Andy & Feitel, Archts., 917 N. O. Bank Bldg.; Geary-Oakes Co., Inc., Contr., 305 Baronne St.*

S. C., Greenville—Dr. Geo. T. Tyler let contract to Morris & McCoy to rebuild Tyler Hospital, E. North St., damaged by fire; Mediterranean type, stucco, 1 story and basement, tar and gravel flat roof, 22 rooms; plans by Mr. Ward.*

Hotels and Apartments

Ala., Birmingham—D. E. Tillman, 1007 S. 28th St., is erecting three-unit apartment building, Juniper Ave. and S. 29th St.; 13 suites, brick; cost \$75,000 to \$100,000.

Fla., Dade City—R. M. Anderson, 2407 Ridgewood Ave., Tampa, has contract for erection of Dade City Community Hotel; cost \$120,000, 5 stories, 100 ft. square, 82 guest rooms; construction begun; Anderson Mill & Lumber Co., contract for lumber; Daniel & Beutell, Archts., Healey Bldg., Atlanta, Ga.*

Fla., Miami Beach—Miami Beach Bay Shore Development Co. let contract to Struck Construction Co. for \$50,000 apartment building in Nursery subdivision.

Fla., Palm Beach—W. A. Merrill, 154 Worth Ave., is erecting \$125,000, 3-story, 45x134 ft. hotel on Worth Ave.; tile and oak floors, concrete foundation, Spanish tile roof; King & Campbell, Archts., West Palm Beach. See Machinery Wanted.*

Fla., Winter Haven—Eloise Apartment, Inc., Dr. George S. Waldo, Pres., will start work in about 90 days on \$1,700,000 Eloise Apartments; G. H. Cooper, Designer and Builder, 215-16-26 Lafayette Arcade, Tampa; plans by E. T. Stewart, 226 Lafayette, Arcade, Tampa, include 12-story structure, 300x140 ft., steel and concrete, steel joists, concrete, floors, tile and composition roof, concrete foundation. See Machinery Wanted.*

Ga., Augusta—Forrest Hills Corp., George C. Blanchard, Pres., Marion Bldg., let following contracts for \$800,000 hotel building for which Foundation Co., 101 Marietta St., Atlanta, has general contract: heating and plumbing, Stephenson Co., Inc., 91 Spring St.; electric work, Sam Donelson, 101 Marietta St.; elevators, Otis Elevator Co., Ivy St.; plastering, P. L. Gomez & Co., Bona Allen Bldg.; tile and terrazzo, Carmichael Tile Co., 104 E. Ellis St.; all Atlanta; reinforcing steel, Knoxville (Tenn.) Iron Works; Pringle & Smith, Archts., Atlanta Trust Bldg., Atlanta; to be operated by Ricker Hotel Co., Poland Springs, Maine.*

Ga., Macon—A. Block, 810 Mulberry St., remodeling 3 story brick, 105x90-ft. building, 810 Mulberry St., for apartment house; hardwood floors, built-up roof, \$25,000 to \$30,000; Frank Happ, Archt., Fourth Natl. Bank Bldg.; J. B. Wilder, Contr., Macon Natl. Bank. See Machinery Wanted.*

La., Baton Rouge—W. Horace Williams, Inc., Contrs., 816 Howard Ave., New Orleans, and associates reported to erect \$2,000,000 Hotel Baton Rouge and storage garage on Church St., to be leased by Dixon & Himmelman, Alvis Hotel; plans by Jones, Roessle & Olschner, Maison Blanche Bldg., New Orleans, include fireproof construction, reinforced concrete with exterior of brick and stone, 3 elevators and 2 fireproof stairways, 128-ft. frontage, 350 rooms, garage to accommodate 300 to 500 cars.*

La., New Orleans—Estate of A. Monteleone let contract to Dudley Wike Construction Co. for shower rooms and toilets in Monteleone Hotel, Royal St., between Iberville and Bienville; cost \$12,222; Cabriac-Geipl Plumbing & Heating Co., plumbing and heating; \$11,119.

Mo., Kansas City—W. G. May has contract for erection \$165,000 apartment building, Ninth St. and Minnesota Ave.

Mo., St. Louis—William H. Smith-Nelson Cunliff Co., 110 N. Seventh St., started work on 4-story, fireproof apartment building on Enright Ave. for Prof. Frank Williams; terra cotta front, twenty 3 and 4 room efficiency apartments; Pleitsch & Price, Archts., Arcade Bldg. Archt. lately incorrectly noted.

Mo., St. Louis—May Building & Investment Co., 808 Chestnut St., will erect five 2-story tenements, 506-24 Chippewa St.; cost \$50,000, 31x43 ft., brick, composition tile roofs, hot air heat; owner builds.

Mo., St. Louis—R. R. Rosemond Co., 6115 Gravois St., erect two 2-story tenements, 5532-36 Milentz St.; cost \$14,000, 25x46 ft.,

brick, tile roofs, hot air heat; plans and construction by owner.

Mo., St. Louis—Missouri Realty & Construction Co., 6117 Page St., will erect five 2-story tenements, 5117-32 Greer St.; cost \$50,000, 33x53 ft., brick, gravel and composition roofs, furnace heat; owner builds.

Mo., University City (Sta. St. Louis)—Sedgeley Investment Co., 111 N. Seventh St., will erect two 2-story brick flats, 7025 Amherst Ave. and 7028 Tulane Ave.; 25x46 ft., composition roofs, steam heat; cost \$20,000; owner builds; Finley & Howard, Archts., International Life Bldg.

Mo., University City (Sta. St. Louis)—C. G. Harrison, 7540 Delmar Blvd., will erect \$10,000 apartment and garage building, 7639 Delmar Blvd.; 2 stories, 4 suites, brick, slate roof, hot water or vapor heat; owner builds.

Mo., University City (Sta. St. Louis)—J. C. Duemler let contract to C. G. Harrington, both 7450 Delmar Blvd., for 2-story, 4-family apartment building, 7369 Delmar Blvd.; cost \$10,000, 35x55 ft., brick, slate roof, hot water or vapor heat.

Mo., University City (Sta. St. Louis)—Mrs. Brolaski, 5 Harvard St., let contract to Harrison-Kopman Construction Co., Arcade Bldg., for 2-story, 4-family brick apartment building and garage, 7324 Pershing St.; cost \$15,000, 47x52 ft., slate roof, steam heat; D. R. Harrison, Archt., Arcade Bldg.

N. C., Tryon—Tryon-Shelton Hotel Corp., B. C. Fiske, Pres., let contract to Fiske-Carter Construction Co., 115 W. Main St., Spartanburg, S. C., for 70-room, \$350,000 hotel at Lake Lanier; 4 stories, brick and stucco; Charles M. Hart & W. Lynn Patton, Archts., 247 Park Ave., New York; construction begun.*

Okla., Tahlequah—Hotel Thompson Co., J. W. Blanken, Sec., let contracts for hotel for which Muskogee Construction Co., Colorado Bldg., Muskogee, has general contract at \$37,560; Heating and plumbing, The O'Connor Co.; electrical, Muskogee Electric Co.; mill work, Marshall Lumber Co., 429 N. Third St., all Muskogee; iron and steel work, J. B. Klein Iron & Foundry Co., 1006 W. Second St., Oklahoma City.*

Tenn., Memphis—Mrs. E. Dies, 190 E. Calhoun St., started work on \$40,000 hotel annex; brick and concrete, steam heat, built-up roof, tile floors; F. S. Neely, Contr., Fidelity Bank Bldg.; Regan & Weller, Archts.

Tex., Amarillo—C. T. Herring let contract to H. W. Underhill Construction Co., Amarillo Bldg., for \$1,000,000 hotel; 14 stories, 600 rooms, brick, steel and reinforced concrete; Shepard & Wiser, Archts., Amarillo Bldg.; Ernest O. Thompson, Lessee.*

Tex., Paris—Hall Electric Co., electric work, and W. H. Turner, plumbing and heating for \$60,000 Red Ball Bus terminal and annex to Gibraltar Hotel, for which Allman & Wood have general contract. See Machinery Wanted—Ventilators.

Tex., San Benito—H. E. Agar let contract O. L. Wallace for erection Acme Hotel; cost \$40,000, 70x130 ft., 2 stories, Johns-Manville built up roof, concrete foundation; Elwing & Mulhausen, Archts., Harlingen.

Miscellaneous

D. C., Washington—Wisconsin Iron & Wire Co., Milwaukee, Wis., awarded contract for ornamental iron, bronze, fire escapes and miscellaneous iron for the National Press Building under construction at 14th and F Sts.; Fuller Construction Co., Contrs., 949 Broadway, New York; C. W. & George L. Rapp, Archts., 190 N. State St., Chicago.*

Fla., Coral Gables—Mrs. Ruby Kenneybrook, Birmingham, Ala., will erect \$22,000 tea garden; one story; Kramer & Patterson, Archts.-Contrs.

Miss., Ellisville—State Hospital Removal, Improvement and Land Sale Commission, R. L. Brown, Sec., Box 40, Jackson, let contract to Massengale & McIntosh, Meridian, for erection of girls' dormitory at State Colony for Feeble Minded; cost \$30,000, 2 stories, brick, wood floors, concrete foundation; Hattiesburg Plumbing & Heating Co., Hattiesburg, plumbing-cement foundation; C. F. Ward & Co., Archts., Co., Laurel, electrical work, \$493; C. H. Lindsley, Archt., Lamar Life Bldg., Jackson.*

Tex., Amarillo—Mrs. John F. Ross let contract to E. S. James at \$15,000 for 2-story, 40x46-ft. day nursery; William C. Townes, Archt., Old Post Office Bldg.*

Tex., Dallas—Dallas Country Club, C. C. Huff, Pres., Katy Bldg., let contract to Watson Co., 1927 S. Akard St., for remodeling club building; cost \$100,000, 20 baths, steel lockers, plumbing, etc.; Thomson & Swain, Archts., 1203 Southwestern Life Bldg.*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Railway Stations, Sheds, Etc.

Fla., Naples—See Fla., Tice.

Fla., Tice—Atlantic Coast Line Rwy. Co., J. E. Willoughby, Ch. Engr., Wilmington, N. C., let contract to C. O. Little, Jacksonville, Fla., for brick freight and passenger stations at Tice and Naples.*

Tex., Brownsville—Gulf Coast Railway, C. S. Kirkpatrick, Ch. Engr., 204 Union Station, Houston, let contract at \$43,629 to Sumner Sollitt Co., Natl. Bank of Commerce Bldg., San Antonio, for passenger station; one story, brick, hollow tile and reinforced; Kelwood Co., Archts., Travis Bldg., San Antonio.*

Tex., Houston—Texas Automatic Sprinkler Co., Magnolia Bldg., Dallas, has contract for sprinkler system for \$1,000,000 freight terminal of Southern Pacific Rwy. Co., H. M. Lull, Ch. Engr., Houston, for which Dwight P. Robinson Co., 125 E. 46th St., New York, is general contractor.*

Schools

Ala., Prattville—City Board of Education let contract at \$50,050 to H. C. Smith for one-story, 200-ft. square, brick building; wood floors, concrete foundation, asbestos shingle roof; equipment, \$10,000; A. F. Dittmar, Archt., Capitol St., Montgomery. See Machinery Wanted.*

Ark., Malvern—Malvern Plumbing Co. has plumbing contract for \$150,000 school.*

Ark., Marianna—School Board, Hugh Mixon, Sec., let contract to Jennings & Samuel for erection \$25,000 colored school on Alabama St.

Ark., Ozark—School Board, J. S. Turner, Pres., let contract at \$34,093 to Claude Talley, Ozark, for high school; 2 stories, 96x106 ft., brick; Francis & Hartmeir, Fort Smith, plumbing and heating, \$4887; Haralson & Nelson, Archts., Merchants Bank Bldg., Fort Smith.*

Fla., Hallandale—Broward County Board of Public Instruction let contract at \$57,629 to Prescott & Boyd, 206 N. E. Third St., Fort Lauderdale, for 9-room school; Spanish type, tile and stucco; Thos. D. McLaughlin, Archt., Fort Lauderdale.

Fla., New Port Richey—Board of Public Instruction, P. L. Pierce, Chmn., let contract to H. C. Hansen, Clearwater, for \$65,000 12-room grammar school; A. C. Lyons, Archt., Clearwater.

Fla., Sulphur Springs—Hillsborough County Board of Public Instruction, Tampa, let contract at \$99,500 to Holmes Construction Co., 908 Grand Center, Tampa, for 2-story brick school on Magnolia Ave.

Fla., Tampa—Hillsborough County Board of Public Instruction, W. D. F. Snipes, Supt., let contract to Peter Clausen for 4-room addition to Buffalo School; cost \$10,000, 2 stories.*

Miss., Columbus—Mississippi State College for Women, J. C. Fant, Pres., let contract at \$253,000 to L. W. Hancock, Meridian, for dormitory, dining hall and laundry buildings; brick; equipment \$20,000; P. J. Krouse, Archt., Meridian.*

Miss., McLaurin—McLaurin Consolidated School Trustees let contract to Massengale & McIntosh, Citizens Bank Bldg., for \$20,000 school building; two stories, brick, wood floors, asbestos slate roof; E. C. Heaton & Sons, Archts., Hattiesburg.*

Mo., Columbia—Board of Education let contract to Ira L. Davis, Columbia, for David Hickman High School; Short & Graymer, Monett, for elementary school and Doglass school addition; William B. Ittner, Archt., Board of Education.*

Mo., Fulton—W. J. Cochrane & Son have contract for erection of \$35,000 Phi Delta Theta fraternity house.

Mo., St. Louis—The Principia, 5344 Minerva St., let contract to Dickle Construction Co., Syndicate Trust Bldg., for alterations to school.

N. C., Winston-Salem—School Board let contract at \$21,650 to W. H. Fetter, 134 N. Poplar St., for Central Graded School addition; 6 rooms; Northup & O'Brien, Archts., Starbuck Bldg.*

Okla., Blue Mound—W. F. Duncan, Booker, Tex., let contract at \$14,000 to B. C. Froman Construction Co., Greenville, New Mexico, for school; one story, 82x76 ft., wood floors, cement foundation; C. F. Ward & Co., rehts., Room 45, Smith Bldg., Amarillo, Tex.*

Tenn., Jamestown—Sumner Construction Co., 155 Fourth Ave., Nashville, has contract to erect administration building for Alvin C. York Industrial Institute; cost \$100,000, 3 stories, 136x271 ft., brick, stone and frame, wood floors, built-up roof, concrete and stone

floors; Manley, Young & Meyer, Archts., Knoxville; W. M. Johnson, Jamestown. Pres-Treas. of institute. See Machinery Wanted.

Tenn., Knoxville—Board of Education, L. H. Spillman, Pres., let contracts at \$50,944 and \$53,201 to Weaver & McGill, Sanson Bldg., for Maynard and Fleniken schools; Baumann & Baumann, 813 Market St., Archts. for former; Barber & McMurray, General Bldg., for latter.*

Tenn., Lewisburg—Marshall County Board of Education let contract at \$52,450 to Mangans-Bell Co., Murfreesboro, for Central High School; 2 stories and basement, 148x90 ft., concrete, brick and frame, built up roof, concrete and native stone foundation; Pugin & Wallace, Archts.-Engrs., 149 Sixth Ave., N., Nashville.

Tex., Anson—Board of Education, Geo. Williamson, Chmn., Bldg. Comm., let contract at \$12,400 to J. S. Murphy & Co., Mineral Wells, for remodeling high school and ward school; Sampson Plumbing & Heating Co., Anson, plumbing and heat, \$3320 and \$3700; 2 stories, 23x61 ft., semi-fireproof, brick and reinforced concrete; David S. Castle, Archt., Alexander Bldg., Abilene.

Tex., Austin—Texas University, Dr. W. M. W. Splawn, Pres., let contract at \$16,347 to R. A. Spears, 307 Emma St., for remodeling Brackenridge Hall into classrooms; J. O. Andrewartha & Co., 105 E. 9th St., electrical contract at \$1138.

Tex., Batesville—School Board let contract at \$37,500 to Peters & Knaggs, Batesville, for 1-story, brick and concrete school building; Henry T. Phelps, Archt., Hicks Bldg., San Antonio.

Tex., Brownsville—School Board let contract to Driver & Downs for 8-room teacherage for El Jardin High School, J. S. Rasco, Principal.

Tex., Floresville—School Board let contract to G. W. Mitchell 119 Martin St., for 2-story brick and concrete school building; Braden-Hudson-Wanzler, 305 E. Commerce St., plumbing; A. H. Shafer, wiring; Adams & Adams, Archts., Builders Exchange Bldg.; all San Antonio.

Tex., Harlandale—Harlandale Independent School Dist. let contract at \$53,401 to H. A. Miller, 446 Kayton St., for erection high school; plumbing and heating, R. C. Simpson Rt. D. Box 509, \$8779; wiring, Martin Wright, 104 Elsmere St. \$2264; all San Antonio; also remodel present high school; day labor; brick and concrete, 2 stories; Adams & Adams, Archts., Builders Exchange, San Antonio.*

Tex., Houston—Rice Institute let contract at \$41,700 to American Construction Co., Gulf Bldg., for steel grandstand at athletic field; Wm. Ward Watkin, Archt., Scanlan Bldg.

Tex., Laredo—Board of Missions, M. E. Church, South, Lambuth Bldg., Nashville, Tenn., let contract at \$55,747 to H. B. Zachry, Laredo, for 2-story, 232x50 ft., brick and frame administration building for Holding Institute; wood floors, brick foundation, built-up roof; Stone & Pinson, Archts., 419 Independent Life Bldg.; J. S. Nichols, Engr., both Nashville.*

Tex., Lytton Springs—Board of Education let contract at \$39,900 to H. F. Bernard, San Antonio, for one-story brick and concrete school building; Henry T. Phelps, Archt., Hicks Bldg., San Antonio.*

Tex., Paducah—Paducah Independent School Dist., W. H. Abernathy, Sec., let contract at \$50,000 to Wm. Lambert Construction Co., Oklahoma City, Okla., for two-story, 59x105-ft., brick, stone and reinforced concrete high school; wood floors, Barrett roof, concrete foundation; E. F. Rittenberry, Archt., 303 Blackburn Bldg., Amarillo. See Machinery Wanted.*

Stores

Fla., Apopka—Norman W. Gould let contract to H. C. Starbuck for 2-story business and apartment building on Central Ave.; hollow tile, stucco finish.

Fla., Venice—H. E. Sanders, Tampa and Sulphur Springs, let contract to Barrett Construction Co., Tampa, for 2-story business building; W. H. Schumaker, Archt., 105½ Zack St., Tampa; Walker & Gillette, Const. Archt., 128 E. 37th St., New York.

La., Monroe—Weeks Supply Co., Third and Jefferson Sts., let contract to Ike Davis, Oak St., for \$65,000 building, Jefferson and N. Fourth Sts.; one story, brick, 68x255 ft., 30,000 ft. floor space.

Mo., Hagerstown—John I. Vandergriff, Cumberland, has contract for erection of \$100,000 store building for J. G. McCrory Co., 1107 Broadway, New York.

Mo., St. Louis—St. Louis Machinists Sup-

ply Co., 1022-32 N. Sixth St., erecting \$75,000, 105x125 ft., brick and steel store building; Henry Hinrichs, Contr., 1003 Loughborough St.

N. C., Greensboro—J. R. Thomas will erect \$15,000, 2-story, brick store and apartment building on E. Gaston St.; composition roof; J. R. Truitt, Contr., 1236 Randolph Ave.

N. C., Wadesboro—Rose-Gathings Furniture Co. will erect 75x90 ft., 2-story and basement, steel and brick store building; wood joists, marble and limestone trim, four plate-glass entrance and show windows, composition built up roof, beech and maple floors, freight elevators; L. Bonfoey, Archt., 6 N. Tryon St., Charlotte; E. G. Bradford, Morven, Supervising Builder; day labor. See Machinery Wanted.

Tex., San Benito—W. B. Hinkley let contract to R. E. Ewing, Harlingen, for \$25,000, two-story business building.

Tex., Dallas—C. S. Pappa and L. E. Adkin, 1001½ S. Harwood St., let contract to Trinity Construction Co., 1320 Masonic St., at \$33,800 for 2-story, brick, stone, frame, 75x190-ft. store and hotel building; F. J. Woerner & Co., Archts., 503 Central Bank Bldg.

Tex., Lubbock—Jackson Brothers Co., Andy W. Jackson, Pres., let contract to J. J. Clements for five brick business buildings on 13th St.

Tex., Mercedes—R. H. Kern let contract at \$10,871 to Jacob Fossler for 2-story brick and stone store and apartment building; plumbing, Hays & Son; wiring, Mercedes Electric Co.; Elwing & Mulhausen, Archts.

Tex., San Antonio—McCrory Stores Corp., care McNeny & McNeny, Archts., Gunter Bldg., let contract at \$39,928 to A. E. Rheimer & Co., Builders Exchange Bldg., for 2-story addition and remodeling business building, 308 E. Houston St.; fireproof, terra cotta front.

Tex., Uvalde—George Horner Hardware Co. let contract to J. W. Hood for \$25,000 building; 2 stories, concrete and brick; Will N. Noonan, Archt., Builders Exchange, San Antonio.

Tex., Wichita Falls—The Axtell Co., 815 Grove St., Fort Worth, let contract to C. M. Davis, Joseph Bldg., Fort Worth, for \$12,000 business building; private plans; also for brick, stone and reinforced concrete warehouse at \$24,500.

Theaters

Fla., Miami—Strand Theater Corp., Olympia Theater Bldg., let contract at \$250,000 to Beach Construction Co., 828 Lincoln Rd., Miami Beach, for Miramar Strand Theater, N. E. Second Ave. and 22d St.; 2 stories, 100x150 ft., fireproof, tile floors, composition roof, concrete foundation, seating capacity 2000; Martin L. Hampton, Archt., Royal Palm Casino; Edward Stuhman, Engr., Seybold Bldg.

Miss., Armory—A. K. Tigrett, 80 Madison St., Memphis, Tenn., and F. T. Florida, Columbus let contract to Gauger Korman Construction Co., Fidelity Bank Bldg., Memphis, for \$30,000 theater on Main St., brick, cast stone trim.*

N. C., Elizabeth City—Carolina Investment & Insurance Co. let contract to R. L. Blacklock Construction Co., E. Gordon St., Kinston, for \$150,000 theater in rear of Carolina Banking & Trust Co. building; brick, steel frame, seating capacity 1200; equipment, \$30,000; Benton & Benton, Archts., Fidelity Bldg., Wilson.*

Tenn., Chattanooga—American Theater let contract to John Parks for \$40,000 improvements to theater on Main St. to include interior remodeling, refinishing walls and construction balcony.

Tex., Floydada—E. E. Boothe let contract to Cannady & Stark for \$40,000 theater; to be leased by J. T. O'Hern, Lockney, who will spend \$16,000 for furniture and equipment.

Warehouses

Ala., Huntsville—Huntsville Wholesale Nursery Co., John Fraser, Gen. Mgr., let contract to C. E. Baxter to erect warehouse; 30,000 sq. ft. floor space.

Fla., Sarasota—Binz Warehouse Corp. let contract to Binz & Lambert for \$20,000 fireproof warehouse on Orange Ave.; 60x100 ft., 2 stories, concrete block.*

Mo., St. Louis—Lesser-Goldman Cotton Co., 1704 Olive St., let contract to Fruin-Colnon Contracting Co., 502 Merchants-Laclede Bldg., for alterations to 7-story warehouse and office at 1700-04 Olive St.; brick, cost \$70,000; Algeter & Bailey, Archts., Railway Exchange Bldg.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Apron Brushers.—C. A. Deas, Rock Hill, S. C.—Wants data and prices on apron brushers used in manufacture of cotton-picker machines.

Band Resaw.—Newman Machine Co., Jackson St. and Southern Rwy., Greensboro, N. C.—Wants band resaw with rolls to open 16-in.

Bank Furnishings, etc.—First National Bank, Levelland, Tex.—Wants prices on equipment, etc., \$10,000, for bank building.

Beaver Board.—J. S. Calhoun, Chmn. Bldg. Comm., First Presbyterian Church, Cartersville, Ga.—Wants prices on Beaver board.

Boiler.—W. A. Stille, Conway, S. C.—Wants one 125-150 h. p. boiler, complete, H. R. T., 150 lbs. working pressure.

Brick.—Rose-Gathings Furniture Company, Wadesboro, N. C.—Wants prices on brick for 2-story store building.

Bridge, etc.—Batesville, Ark. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Paragould, Ark. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Pittsboro, N. C. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Stuart, Fla. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Corpus Christi, Tex. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Dalton, Ga. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Lancaster, S. C. See Construction News—Roads, Streets, Paving.

Bridge.—Macon, Miss., will build two bridges. See Construction News—Bridges, Culverts, Viaducts.

Building Materials.—American Lumber & Supply Co., 100 East Fifth St., Amarillo, Tex.—Wants prices on lumber and various building materials.

Burners (Gas).—See Mantles (Gas).

Carbide.—Tampa Thermalene Gas Corp., 305 Jackson St., Tampa, Fla.—Wants carbide.

Cars (Creosoting).—Standard Power Equipment Co., Birmingham, Ala.—Wants 50 creosoting cars.

Cars (Mine).—A. C. Love Co., Huntington, W. Va.—Wants 100 to 200 mine cars, 36 to 48 in. track gauge.

Cast Stone.—E. F. Rittenberry, 303 Blackburn Bldg., Memphis, Tenn.—Wants prices on cast stone for \$80,000 high school at Paducah, Tex.

Cast Stone.—Alsop & Callanan, 524 Derron Bldg., Memphis, Tenn.—Wants prices on cast stone for \$30,000 church, Demopolis, Ala.

Cast Stone.—Josiah Richardson, 105 E. Palm Ave., Tampa, Fla.—Wants prices on cast stone for \$200,000 dance hall.

Cast Stone.—G. H. Cooper, 215-26 Lafayette Arcade, Tampa, Fla.—Wants prices on cast stone for \$1,700,000 Eloise Apartments, Winter Haven, Fla.

Castings.—Wm. R. Doll, Jr., Roanoke, Va.—Wants aluminum castings for shipment to Mexico; correspond with firms having Western branch.

Cast Stone.—Earl Cline, Box 621, Birmingham, Ala.—Wants prices on cast stone for \$85,000 church, Ensley, Ala.

Cast Stone.—Griffith Co., 425 Clayton Bldg., or First M. E. Church, Sapulpa, Okla.—Wants prices on cast stone for \$100,000 brick and stone trim church.

Cast Stone.—Hawk & Parr, Cotton Exchange Bldg., Oklahoma City, Okla.—Wants prices on cast stone for \$60,000 church, Hobart, Okla.

Cast Stone.—Bldg. Comm., M. E. Church, South, care Rev. J. L. Nell, Pastor, Yazoo City, Miss.—Wants prices on cast stone for \$40,000 brick, cast stone and terra cotta Sunday school.

Cast Stone.—W. A. Merrill, 154 Worth Ave., Palm Beach, Fla.—Wants prices on cast stone for \$125,000 hotel.

Cast Stone.—Wm. W. Emmart, Union Trust Bldg., Baltimore, Md.—Wants prices on cast stone.

Cast Stone.—Ell Clements Co., Commercial Bank Bldg., Charlotte, N. C.—Wants prices on cast stone for dwelling.

Cast Stone.—Nichol & Campbell, 29-30 Radford Bldg., Abilene, Tex.—Wants prices on cast stone for \$75,000 city auditorium.

Cast Stone.—Thos. M. Walker, Boynton,

Fla.—Wants prices on cast stone for \$70,000 casino.

Cast Stone.—A. E. Runo, 1525 N. W. Miami Place, Miami, Fla.—Wants prices on cast stone for \$30,000 store and apartment building.

Cast Stone.—Wm. Ward Watkins, Scanlan Bldg., Houston, Tex.—Wants prices on cast stone for 7-story business building.

Cast Stone.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants cast stone.

Cast Stone.—G. W. Vaughan, 403 Keystone Bldg., Houston, Tex.—Wants prices on cast stone for dwelling, Liberty, Tex.

Cut Stone.—A. Herz, Arcade Bldg., St. Louis, Mo.—Wants prices on cut stone for \$30,000 brick and hollow tile residence.

Cast Stone.—Wyatt C. Hedrick, First Natl. Bank Bldg., Fort Worth, Tex.—Wants prices on cast stone for \$400,000 stone trim hospital.

Cast Stone.—J. J. Inelchen, Rayville, La.—Wants prices on cast stone for \$42,500 lodge building.

Cast Stone.—W. C. Stephenson, Room 6, Klipstein Bldg., Beeville, Tex.—Wants prices on cast stone for \$40,000 church.

Catalogs.—Florida State Chamber of Commerce, Jacksonville, Fla.—Wants catalogs of manufacturers of products of all kinds to be filed and used to answer inquiries when needed.

Cement.—Rose-Gathings Furniture Company, Wadesboro, N. C.—Wants prices on Portland cement for 2-story store building.

Cement Roofing Tile Machinery.—E. A. Carlston Home Builders Co., 303 Donaldson Ave., San Antonio, Tex.—Wants data and prices on machinery to make cement tile roofing.

Chloride of Lime.—E. M. Ratliff, Engr., Fayetteville, Ark.—Wants prices on chloride of lime for use in swimming pool.

Church Furnishings, etc.—Rev. H. W. Rice, Pastor, Methodist Church, Demopolis, Ala.—Wants prices on equipment for \$30,000 church.

Church Furnishings, etc.—K. S. Archer, Baldwin, Miss.—Wants prices on equipment, etc., for \$12,000 Christian Church.

Church Furnishings, etc.—Ensley Methodist Church Bldg. Comm., Ensley, Ala.—Wants prices on equipment, etc., for \$85,000 Sunday school.

Church Furnishings, etc.—Griffith Co., 425 Clayton Bldg., or First M. E. Church, Sapulpa, Okla.—Wants prices on equipment, etc., for \$100,000 church.

Clocks (Watchmen's).—Bryce Newton, 414 York Ave., West Pittston, Pa.—Wants prices and data on watchmen's clocks (portable), with about 12 keys or stations.

Cold Roll Steel.—C. A. Deas, Rock Hill, S. C.—Wants data and prices on cold roll steel used in manufacture of cotton-picker machine.

Coloring (Black Mortar).—Rose-Gathings Furniture Co., Wadesboro, N. C.—Wants prices on black-mortar coloring for 2-story store building.

Composition Roofing.—John O. Ray, Heflin, Ala.—Wants prices on composition roofing for dwelling.

Conveying and Dust Recovering Equipment.—U. S. Engineer Office, 1068 Navy Department Bldg., Washington, D. C.—Receives bids Aug. 2 to furnish, install and test pneumatic conveying and dust recovering equipment for water supply project for Dist. of Columbia.

Counter.—W. A. Merrill, 154 Worth Ave., Palm Beach, Fla.—Wants prices on back counter for \$125,000 hotel.

Creosoting Cylinders.—Standard Power Equipment Co., Birmingham, Ala.—Wants two 130 ft. creosoting cylinders with 200-lb. pressure, 8-ft. diam. with standard gauge tracks.

Dam.—Diston Island Drainage District, C. L. Williams, Sec., Moore Haven, Fla.—Receives bids July 24 for construction of flash board dam located across and 80-ft. canal at its entrance into Lake Hiepochee; work included 1 cofferdam across canal, 271 cu. yds. concrete, 4000 lbs. reinforcing steel, 18,000 lbs. iron work; Myers-Richardson Engineering Co., Engrs.

Dining-Room Equipment.—Harold E. George, 330 Municipal Courts Bldg., St. Louis, Mo.—Wants prices on dining-room

equipment for \$150,000 locker and restaurant building; will be ready for equipment about March 1, 1927.

Dragline Machine.—Standard Power Equipment Co., Birmingham, Ala.—Wants one ½ or ¾ yd. dragline machine, gasoline or electric, latter preferred.

Dredge.—R. P. Sweeney Co. (Mchy. Dealers), News Bldg., Greenville, S. C.—Wants 10 or 12 inch suction dredge complete, first-class condition; give full specifications, price, location, age, etc.; prefer one located near Savannah, Ga., or Charleston, S. C.

Dredging.—J. O. Wickham, City Engr., Eau Gallie, Fla.—Receives bids Aug. 2 for dredging harbor.

Drilling Outfit.—City of Marietta, Ga., W. C. Carriker, Mayor.—Wants to purchase deep-well drilling outfit or contract with some one who has outfit.

Dryers (Rotary Steam).—Alex. M. Robinson (Mchy. Dealer), Georgetown, Ky.—Wants prices for resale on several Louisville rotary steam heat dryers; give condition, number, size of heat flues, location and full specifications.

Dumb Waiters.—Board of Education, J. H. Simral, Clk., Lexington, Ky.—Wants prices on dumb waiters for \$300,000 school.

Dumb Waiters.—G. H. Cooper, 215-26 Lafayette Arcade, Tampa, Fla.—Wants prices on dumb-waiters for \$1,700,000 Eloise Apartments, Winter Haven, Fla.

Dumb Waiters.—Wm. W. Emmart, Union Trust Bldg., Baltimore, Md.—Wants prices on dumb waiters.

Dumb Waiters.—A. Block, 810 Mulberry St., Macon, Ga.—Wants prices on dumb waiters for \$30,000 apartment house.

Dumb Waiters.—Bldg. Comm., M. E. Church, South, care Rev. J. L. Nell, Pastor, Yazoo City, Miss.—Wants prices on dumb waiters for \$40,000 Sunday school.

Dumb Waiters.—Wm. Ward Watkins, Scanlan Bldg., Houston, Tex.—Wants prices on dumb waiters for 7-story business building.

Dumb Waiters.—Chas. P. Jones & Co., Binz Bldg., Houston, Tex.—Wants prices on dumb-waiters.

Dumb Waiters.—Thos. M. Walker, Boynton, Fla.—Wants prices on dumb waiters for \$70,000 casino.

Dumb Waiters.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants dumb waiters.

Electric Equipment.—Town of Kenner, La., Emile Deshauteurs, Mayor.—Receives bids August 10 for furnishing and installing complete on Town's foundation and connecting to town's oil engines two 60-kva, engine-type alternators with switchboard and all accessories; Henry A. Mentz, Consit. Engr., Hammond, La.

Electric Generating Unit.—City of Palmetto, Fla., F. K. Webb, Commr. of Public Works.—Receives bids July 26 for purchasing or leasing Diesel engine generating unit for street lights and other municipal purposes.

Electric Lighting.—City of Eau Gallie, Fla., Wm. R. Roesch, Mayor.—Receives bids July 23 for white way.

Electric Refrigerators.—W. A. Merrill, 154 Worth Ave., Palm Beach, Fla.—Wants prices on electric refrigerators for \$125,000 hotel.

Electric Refrigerator.—Adam Hazelwood, Mount Dora, Fla.—Wants prices on electric refrigerators for \$10,000 residence.

Electric Refrigerators.—Wyatt C. Hedrick, First Natl. Bank Bldg., Fort Worth, Tex.—Wants prices on electric refrigerators for \$400,000 hospital.

Electric Refrigerators.—T. R. Jackson, care Chas. P. Jones & Co., Binz Bldg., Houston, Tex.—Wants prices on electric refrigerators for \$50,000 apartment building.

Electric Refrigerators.—John O. Ray, Heflin, Ala.—Wants prices on electric refrigerators for dwelling.

Electric Refrigerators.—Harold E. George, 330 Municipal Courts Bldg., St. Louis, Mo.—Wants prices on electric refrigerators for \$150,000 locker and restaurant building; will be ready for equipment about March 1, 1927.

Electric Refrigerators.—A. Herz, Arcade Bldg., St. Louis, Mo.—Wants prices on electric refrigerators for \$30,000 residence.

Electric Refrigerators.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants electric refrigerators.

Electric Refrigerators.—G. H. Cooper, 215-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

26 Lafayette Arcade, Tampa, Fla.—Wants prices on electric refrigerators for \$1,700,000 Eloise Apartments, Winter Haven, Fla.

Electric Refrigerators.—Raymond C. Snow & Co., 812 Bona Allen Bldg., Atlanta, Ga.—Wants prices on electric refrigerators for \$15,000 dwelling.

Electric Refrigerators.—A. Block, 810 Mulberry St., Macon, Ga.—Wants prices on electric refrigerators for \$30,000 apartment house.

Elevators (Freight).—Rose-Gathings Furniture Co., Wadesboro, N. C.—Wants prices on freight elevators for a 2-story store building.

Engine (Diesel).—See Generator Set.

Fill.—The Indian River Mosquito Control Board, John Leroy Hutchinson, Chrmn., Vero Beach, Fla.—Receives bids Aug. 10 for 1,250,000 cu. yds. marsh fill in Unit No. 1; Carter & Damerow, Engrs.

Filtering Plant, etc.—E. M. Ratliff, Engr., Fayetteville, Ark.—Wants data and prices on filtering plant and recirculating system for swimming pool.

Fire Extinguishers and Hydrant Caps.—Marine Corps, Quartermasters Dept., Washington, D. C.—Receives bids July 21 to furnish fire hand extinguishers, 2½-gal. capacity, and 10 fire hydrant caps; delivery Quantico, Va. Sch. 43-1927.

Fire Hose.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids July 16 for 350 ft. of 2½-in. fire hose.

Flooring.—W. A. Merrill, 154 Worth Ave., Palm Beach, Fla.—Wants prices on tile and hardwood floors for \$125,000 hotel.

Flooring.—Wm. Ward Watkins, Scanlan Bldg., Houston, Tex.—Wants prices on tile and terrazzo floors for 7-story business building.

Flooring.—Chas. P. Jones & Co., Binz Bldg., Houston, Tex.—Wants prices on tile, hardwood and linoleum floors.

Flooring.—Sidney L. Day, First Huntington National Bank Bldg., Huntington, W. Va.—Wants prices on tile and hardwood flooring for \$150,000 church recreation building.

Flooring.—Raymond C. Snow & Co., 812 Bona Allen Bldg., Atlanta, Ga.—Wants prices on hardwood, linoleum, rubber tile and composition flooring for \$45,000 dwelling.

Flooring.—G. H. Cooper, 215-26 Lafayette Arcade, Tampa, Fla.—Wants prices on tile and terrazzo flooring for \$1,700,000 Eloise Apartments, Winter Haven, Fla.

Flooring.—Rose-Gathings Furniture Co., Wadesboro, N. C.—Wants prices on beech and maple flooring for 2-story store building.

Flooring (Hardwood).—Hawk & Parr, Cotton Exchange Bldg., Oklahoma City, Okla.—Wants prices on hardwood flooring for \$60,000 church, Hobart, Okla.

Flooring (Hardwood).—Rev. A. J. Secrist, Pastor, First United Brethren Church, Martinsburg, W. Va.—Wants prices on hardwood flooring for \$10,500 parsonage.

Flooring (Tile).—Griffith Co., 425 Clayton Bldg., or First M. E. Church, Sapulpa, Okla.—Wants prices on quarry tile flooring for \$100,000 church.

Flooring (Tile).—E. L. Robertson & L. R. Patterson, Calumet Bldg., Miami, Fla.—Wants prices on tile flooring for \$100,000 church.

Flooring.—A. E. Runo, 1525 N. W. Miami Place, Miami, Fla.—Wants prices on hardwood floors for \$30,000 store and apartment building.

Flooring.—Thos. M. Walker, Boynton Fla.—Wants prices on hardwood flooring for \$70,000 casino.

Flooring.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants tile, terrazzo, concrete, hardwood, linoleum, wood block, rubber tile and composition floors.

Flooring (Hardwood).—A. Herz, Arcade Bldg., St. Louis, Mo.—Wants prices on hardwood flooring for \$30,000 residence.

Flooring.—A. S. Montz, 205 Strand Bldg., New Orleans, La.—Wants prices on linoleum and rubber tile flooring for \$25,000 church.

Flooring.—G. W. Vaughan, 403 Keystone Bldg., Houston, Tex.—Wants prices on tile, terrazzo, rubber tile and composition flooring for dwelling, Liberty, Tex.

Flooring (Hardwood).—John O. Ray, Heflin, Ala.—Wants prices on hardwood flooring for dwelling.

Flooring.—Harvey C. Allen, Lamesa, Tex.—Wants prices on tile and rubber tile flooring for bank quarters.

Flooring.—Board of Education, J. H. Sim-

ral, Clk., Lexington, Ky.—Wants prices on tile, terrazzo, hardwood, linoleum and composition flooring for \$300,000 school.

Flooring.—Josiah Richardson, 105 E. Paim Ave., Tampa, Fla.—Wants prices on tile, terrazzo and hardwood flooring for \$200,000 dance hall.

Flooring.—E. G. Holladay Co., 149-51 Fourth Ave. N., Nashville, Tenn.—Wants prices on terrazzo floors for \$250,000 school at Morehead, Ky.

Flooring.—D. B. Loveman Co., Eighth and Market Sts., Chattanooga, Tenn.—Wants prices on tile and hardwood floors for store building.

Flooring.—Wm. W. Emmart, Union Trust Bldg., Baltimore, Md.—Wants prices on tile and composition flooring.

Flooring.—Fred Alloway, Sr., Sturgis, Ky.—Wants prices on tile and hardwood flooring for \$12,000 residence.

Flooring.—City Engineer, Brownsville, Tex.—Wants prices on tile and composition flooring for \$17,000 Chamber of Commerce building.

Flooring (Tile).—Bldg. Comm., M. E. Church, South, care J. L. Neill, Pastor, Yazoo City, Miss.—Wants prices on flooring tile for \$40,000 Sunday school.

Flooring.—Sumner Construction Co., 155 Fourth Ave. N., Nashville, Tenn.—Wants prices on concrete flooring for \$100,000 school, Jamestown, Tenn.

Flooring.—A. Block, 810 Mulberry St., Macon, Ga.—Wants prices on tile and linoleum flooring for \$30,000 apartment house.

Flooring.—Adam Hazelwood, Mount Dora, Fla.—Wants prices on linoleum flooring for \$10,000 residence.

Flooring.—Wyatt C. Hedrick, First Natl. Bank Bldg., Fort Worth, Tex.—Wants prices on tile and terrazzo flooring for \$400,000 hospital.

Flooring.—J. J. Inelchen, Rayville, La.—Wants prices on tile, hardwood, wood block and rubber tile flooring for \$42,500 lodge building.

Flooring.—W. C. Stephenson, Room 6, Klipstein Bldg., Beville, Tex.—Wants prices on tile and hardwood flooring for \$40,000 church.

Gas Stoves.—Tampa Thermalene Gas Corp., 305 Jackson St., Tampa, Fla.—Wants gas stoves.

Generator.—The Randle Machinery Co., 1723 Power St. (Cumminsville), Cincinnati, Ohio.—Wants 300-kw., 3-phase, 60-cycle, 220 or 440 volt alternating-current generator, direct connected to simple engine; Corliss type preferred; used or second-hand outfit preferred.

Generator Set.—A. C. Love Co., Huntington, W. Va.—Wants 50 to 50 h. p., 3 phase, 60 cycle, 220 volt generator, direct driven by Diesel oil engine.

Gutters, etc.—Canton, Mo. See Construction News—Roads, Streets, Paving.

Hand Lift.—Griffith Co., 425 Clayton Bldg., or First M. E. Church, Sapulpa, Okla.—Wants prices on hand lift for \$100,000 church.

Hardwood Interior Finish.—Griffith Co., 425 Clayton Bldg., or First M. E. Church, Sapulpa, Okla.—Wants prices on hardwood interior finish of auditorium for \$100,000 church.

Heating System.—Treasury Dept., Supvg. Architect's Office, Washington, D. C.—Receives bids July 26 for repairs to heating system at U. S. post office and courthouse at San Antonio, Tex.

Hotel Furniture.—W. A. Merrill, 154 Worth Ave., Palm Beach, Fla.—Wants prices on furniture for 43 bedrooms, living room, dining room, kitchen and office for \$125,000 hotel.

House-Moving Equipment.—Leo E. Byrum, Box 571, Greensboro, N. C.—Wants house-moving equipment; correspond with manufacturers.

Ice Cream Freezers.—Terry Dairy Co. of Arkansas, 341 Whittington Ave., Hot Springs Ark.—Wants prices on ice cream freezers for 500-gal. capacity plant.

Ice Machinery.—Hackley Morrison Co., (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one 5-ton ice machine with high-speed, raw-water equipment, 200-lb. ice cans and tank; York or Brunswick preferred.

Ice-Making Machinery.—Terry Dairy Co. of Arkansas, 341 Whittington Ave., Hot Springs, Ark.—Wants prices on 10-ton ice-making machinery.

Incinerators.—Ell Clements Co., Commercial Bank Bldg., Charlotte, N. C.—Wants prices on incinerators for dwelling.

Incinerators.—A. Herz, Arcade Bldg., St. Louis, Mo.—Wants prices on incinerators for \$30,000 residence.

Incinerators.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants incinerators.

Incinerators.—G. H. Cooper, 215-26 Lafayette Arcade, Tampa, Fla.—Wants prices on incinerators for \$1,700,000 Eloise Apartments, Winter Haven, Fla.

Incinerators.—Sidney L. Day, First Huntington National Bank Bldg., Huntington, \$150,000 church recreation building.

Incinerators.—Raymond C. Snow & Co., 812 Bona Allen Bldg., Atlanta, Ga.—Wants prices on incinerators for \$45,000 dwelling.

Incinerators.—T. R. Jackson, care Chas. P. Jones & Co., Binz Bldg., Houston, Tex.—Wants prices on incinerators for \$50,000 apartment building.

Iron (Galvanized Sheet).—Tampa Thermalene Gas Corp., 305 Jackson St., Tampa, Fla.—Wants galvanized 18 gauge sheet iron.

Kitchen Equipment.—Harold E. George, 330 Municipal Courts Bldg., St. Louis, Mo.—Wants prices on kitchen equipment for \$150,000 locker and restaurant building; will be ready for equipment about March 1, 1927.

Lath Machine, etc.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one used lath machine with bolter.

Lawn Mower.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids July 19 for one 30-in. power lawn mower with catcher.

Light Fixtures.—Rev. B. V. Ferguson, Pastor, First Baptist Church, or T. C. Gray, Chmn., Bldg. Comm., Fort Smith, Ark.—Wants prices on light fixtures for church and Sunday school.

Lighting, etc.—Treasury Dept., Supvg. Architect's Office, Washington, D. C.—Receives bids July 28 to furnish and install furniture lighting in U. S. post office and courthouse, Philadelphia, Pa.

Limestone.—Board of Education, J. H. Simral, Clk., Lexington, Ky.—Wants prices on limestone for \$300,000 school.

Limestone.—City Board of Education, Prattville, Ala.—Wants prices on limestone for \$50,000 school.

Limestone.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants limestone.

Lime.—Rose-Gathings Furniture Company, Wadesboro, N. C.—Hydrated lime for 2-story store building.

Limestone.—Earl Cline, Box 621, Birmingham, Ala.—Wants prices on limestone for \$85,000 church, Ensley, Ala.

Limestone.—Sidney L. Day, First Huntington National Bank Bldg., Huntington, W. Va.—Wants prices on limestone for \$150,000 church recreation building.

Limestone.—Griffith Co., 425 Clayton Bldg., or First M. E. Church, Sapulpa, Okla.—Wants prices on limestone for \$100,000 brick and stone trim church.

Limestone.—Rose-Gathings Furniture Co., Wadesboro, N. C.—Wants prices on limestone trim for 2-story store building.

Lockers.—Harold E. George, 330 Municipal Courts Bldg., St. Louis, Mo.—Wants prices on lockers for \$150,000 locker and restaurant building; will be ready for equipment about March 1, 1927.

Locker and Restaurant Building Furnishings, etc.—Harold E. George, 330 Municipal Courts Bldg., St. Louis, Mo.—Wants prices on equipment, etc., for \$150,000 building; will be ready for equipment about March 1, 1927.

Locomotives.—D. C. Elphinstone, 120 S. Calvert St., Baltimore, Md.—Wants 12x16 and 13x18, standard gauge, saddle tank, 24 and 30 ton locomotives and 14x20 and 15x22 standard gauge, heavy tank 36 and 40 ton locomotives.

Lodge Furnishings, etc.—J. J. Inelchen, Rayville, La.—Wants prices on equipment, \$5000, for store and lodge building.

Limestone.—E. G. Holladay Co., 149-51 Fourth Ave. N., Nashville, Tenn.—Wants prices on limestone for \$250,000 school at Morehead, Ky.

Lumber, etc.—American Lumber & Supply Co., 100 East Fifth St., Amarillo, Tex.—Wants prices on lumber and various building materials.

Lumber.—Rose-Gathings Furniture Co., Wadesboro, N. C.—Wants prices on wood joists for 2-story store building.

Lumber, etc.—State Highway Dept., H. C. Dietzer, Engr., Jackson, Miss.—Receives bids July 23 to furnish 24,000 ft. B. M. crossot

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lumber and 1600 lin. ft. creosoted piling; f. o. b. Anchorage, Alaska.

Mail Chutes.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants mail chutes.

Mail Chutes.—G. H. Cooper, 215-26 Lafayette Arcade, Tampa, Fla.—Wants prices on mail chutes for \$1,700,000 Eloise Apartments, Winter Haven, Fla.

Mail Chutes.—Chas. P. Jones & Co., Binz Bldg., Houston, Tex.—Wants prices on mail chutes.

Mail Chutes.—Wm. Ward Watkins, Scanlan Bldg., Houston, Tex.—Wants prices on mail chutes for 7-story business building.

Manholes, etc.—See Sewers (Sanitary and Storm).

Mantles (Gas).—Tampa Thermalene Gas Corp., 305 Jackson St., Tampa, Fla.—Wants gas mantles, gas burners and gas meters for acetylene.

Marble.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants marble.

Marble.—Harvey C. Allen, Lamesa, Tex.—Wants prices on marble for bank building.

Marble.—Board of Education, J. H. Simral, Clk., Lexington, Ky.—Wants prices on marble for \$300,000 school.

Marble.—Chas. P. Jones & Co., Binz Bldg., Houston, Tex.—Wants prices on marble for \$50,000 apartment building.

Marble.—A. S. Montz, 205 Strand Bldg., New Orleans, La.—Wants prices on marble for \$25,000 church.

Marble.—Wm. Ward Watkins, Scanlan Bldg., Houston, Tex.—Wants prices on marble for 7-story business building.

Marble.—Wyatt C. Hedrick, First Natl. Bank Bldg., Fort Worth, Tex.—Wants prices on marble for \$400,000 hospital.

Marble.—Wm. W. Emmart, Union Trust Bldg., Baltimore, Md.—Wants prices on marble.

Marble.—E. L. Robertson & L. R. Patterson, Calumet Bldg., Miami, Fla.—Wants prices on marble for \$100,000 reinforced concrete and structural steel church.

Marble.—Rose-Gathings Furniture Co., Wadesboro, N. C.—Wants prices on marble trim for 2-story store building.

Marble.—J. J. Inelchen, Rayville, La.—Wants prices on marble for \$42,500 lodge building.

Mechanical Equipment, etc.—Treasury Dept., Supvz. Architects Office, Washington, D. C.—Receives bids July 22 to remodel new driveway, etc., including incidental changes in mechanical equipment of U. S. post office, Saginaw, Mich.

Metal Ceilings and Doors.—Josiah Richardson, 105 E. Palm Ave., Tampa, Fla.—Wants prices on metal ceilings and doors for \$200,000 dance hall.

Metal Ceilings.—E. F. Rittenberry, 303 Blackburn Bldg., Amarillo, Tex.—Wants prices on metal ceilings for \$60,000 high school at Paducah, Tex.

Metal Ceilings.—Rose-Gathings Furniture Co., Wadesboro, N. C.—Wants prices on metal ceilings for 2-story store building.

Metal Ceilings.—K. S. Archer, Baldwin, Miss.—Wants prices on metal ceilings for \$12,000 church.

Metal Ceilings.—J. S. Calhoun, Chmn., Bldg. Comm., First Presbyterian Church, Cartersville, Ga.—Wants prices on metal ceilings.

Metal Ceilings and Doors.—J. J. Inelchen, Rayville, La.—Wants prices on metal ceilings and doors for \$42,500 lodge building.

Metal Ceilings.—G. W. Vaughan, 403 Keystone Bldg., Houston, Tex.—Wants prices on metal ceilings for dwelling, Liberty, Tex.

Metal Ceilings.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants metal ceilings.

Metal Ceilings and Doors.—E. C. Hardin, Supt., Kentucky Houses of Reform, Greendave, Ky.—Wants prices on metal ceilings and doors.

Metal Doors.—Wm. Ward Watkins, Scanlan Bldg., Houston, Tex.—Wants prices on metal doors for 7-story business building.

Metal Doors.—Earl Cline, Box 621, Birmingham, Ala.—Wants prices on metal doors for \$85,000 church, Ensley, Ala.

Metal Doors.—Hawk & Parr, Cotton Exchange Bldg., Oklahoma City, Okla.—Wants prices on metal doors for \$60,000 church, Hobart, Okla.

Metal Doors.—G. H. Cooper, 215-26 Lafayette Arcade, Tampa, Fla.—Wants prices on metal doors for \$1,700,000 Eloise Apartments, Winter Haven, Fla.

Metal Doors.—Harvey C. Allen, Lamesa, Tex.—Wants prices on metal doors for bank.

Metal Doors.—Board of Education, J. H. Simral, Clk., Lexington, Ky.—Wants prices on metal doors for \$300,000 school.

Metal Doors.—John O. Ray, Heflin, Ala.—Wants prices on metal doors for dwelling.

Metal Doors.—W. A. Merrill, 154 Worth Ave., Palm Beach, Fla.—Wants prices on metal doors for \$125,000 hotel.

Metal Doors.—Nichol & Campbell, 29-30 Radford Bldg., Abilene, Tex.—Wants prices on metal doors for \$75,000 city auditorium.

Metal Doors.—Wyatt C. Hedrick, First Natl. Bank Bldg., Fort Worth, Tex.—Wants prices on metal doors for \$400,000 hospital.

Metal Doors.—Justus & Jones, East Flat Rock, N. C.—Wants prices on metal doors for \$15,000 courthouse addition, Hendersonville, N. C.

Metal Doors.—Wm. W. Emmart, Union Trust Bldg., Baltimore, Md.—Wants prices on metal doors.

Metal Doors and Steel Sash.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants metal doors and steel sash and trim.

Meters (Gas).—See Mantles (Gas).

Millwork.—Thos. M. Walker, Boynton, Fla.—Wants prices on millwork for \$70,000 casino.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids July 21 to furnish tool steel, nails, wire netting, tackle blocks, anchors, boat hooks, dish pans, teaspoons, rubber boots, windshield wipers, brakeband linings, crash toweling, paper fasteners, level books, bowling score sheets, carbon paper, etc. Blank forms and information (ircular 2415) on application to offices of Panama Canal, Asst. Purchasing Agents at Fort Mason, San Francisco, Cal.

Miscellaneous Supplies.—Board of Awards, F. A. Dolfield, City Register, Baltimore, Md.—Receives bids July 21 for supplies for automobile shops, pattern shops, sheet metal shops, plumbing, woodworking, electrical shops, mechanical drawing rooms for Dept. of Education; John H. Roche, Sec. Board of School Comms.

Mortuary Refrigerator.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids July 16 for mortuary refrigerator.

Motors.—Culp Elevator Mills, W. Pine St., Warrensburg, Mo.—Wants one 15 h. p. motor and two 10 h. p. motors.

Office Furniture.—W. S. F. Tatum, Pres., Bonhomie & Hattiesburg Southern R. R. Co., Hattiesburg, Pa.—Wants prices on office furniture; correspond with manufacturers.

Paper Cups.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids July 16 for 180,000 pocket sputum cups and 840,000 snutum cup fillers; packed suitable for reshipment.

Partitions (Metal).—Thos. M. Walker, Boynton, Fla.—Wants prices on metal toilet and shower partitions.

Pasteurizers.—Terry Dairy Co. of Arkansas, 341 Whittington Ave., Hot Springs, Ark.—Wants prices on 3 pasteurizers.

Paving.—Tampa, Fla. See Construction News—Roads, Streets, Paving.

Paving.—Henderson, Ky. See Construction News—Roads, Streets, Paving.

Paving.—Palmetto, Fla. See Construction News—Roads, Streets, Paving.

Paving.—Cape Girardeau, Mo. See Construction News—Roads, Streets, Paving.

Piling.—See Lumber, etc.

Pipe (Galvanized Iron).—See Sewage, Pumping Station, etc.

Pipe (Cast Iron).—See Water Works.

Pipe (Galvanized).—See Water Works.

Pipe (Cast Iron).—See Sewers.

Pipe (Cast Iron).—See Water Works.

Pipe (Vitrified).—See Sewers.

Pipe (Concrete).—See Sewers.

Pipe (Iron).—Grandfather Mountains, Inc., Dr. A. W. Dula, Pres., Lenoir, N. C.—Wants 5000 ft. of 4-in. iron pipe, 2500 ft. of 6-in. iron pipe and 3000 ft. of 2-in. wrought iron pipe.

Pipe and Fittings.—Board of Awards, F. A. Dolfield, City Register, Baltimore, Md.—Receives bids July 21 to furnish and deliver cast iron pipe and fittings to Bureau of Water Supply; V. Bernard Siems, Water Engr.

Planers.—L. J. Breed Equipment Co., 811 James Bldg., Chattanooga, Tenn.—Wants 4-side wood planers, 10x16, second-hand.

Planer and Matcher.—See Woodworking Machinery.

Planing Mill Machinery.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants all kinds of planing mill machinery.

Plastering.—Rose-Gathings Furniture Co., Wadesboro, N. C.—Wants prices on Sheet-rock, plastering for 2-story store building.

Plaster Board.—Bldg. Comm., M. E. Church, South, care Rev. J. L. Neill, Pastor, Yazoo City, Miss.—Wants prices on plaster board for \$40,000 Sunday school.

Plaster Board.—Raymond C. Snow & Co., 812 Bona Allen Bldg., Atlanta, Ga.—Wants prices on plaster board for \$45,000 dwelling.

Plaster Board.—City Engineer, Brownsville, Tex.—Wants prices on plaster board for \$17,000 Chamber of Commerce building.

Plaster Board.—John O. Ray, Heflin, Ala.—Wants prices on plaster board for dwelling.

Plaster Board.—A. S. Montz, 205 Strand Bldg., New Orleans, La.—Wants prices on plaster board for \$25,000 church.

Plaster Board.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants plaster board.

Plaster Board.—E. C. Hardin, Supt., Kentucky Houses of Reform, Greendale, Ky.—Wants prices on plaster board.

Plaster Board.—J. J. Inelchen, Rayville, La.—Wants prices on plaster board for \$42,500 lodge building.

Printing Equipment.—Beach Blue-Print Co., 708 Collins Ave., Miami Beach, Fla.—Wants prices on machines to print theater tickets, both continuous and single; correspond with manufacturers.

Pump.—See Water Works.

Pumping Machinery.—See Water Works.

Re-circulating System.—See Filtering Plant, etc.

Reinforcing Rods.—William Seymour, 5117 Kenwood Ave., Chicago, Ill.—Wants quantity of used, heavy reinforcing rods.

Renickeling and Coppering Outfits.—E. M. Crawford, care of Marine Ways Machine Co., Seventh Ave. S. and Third St., St. Petersburg, Fla.—Wants data on complete outfits for renickeling and coppering; correspond with manufacturers.

Residence Furnishings, etc.—Raymond C. Snow & Co., 812 Bona Allen Bldg., Atlanta, Ga.—Wants prices on equipment, etc., \$20,000, for dwelling.

Road.—Madisonville, Tex. See Construction News—Roads, Streets, Paving.

Road.—Abilene, Tex., will build 3 roads. See Construction News—Roads, Streets, Paving.

Road.—Lancaster, S. C.—See Construction News—Roads, Streets, Paving.

Road.—Wayne, W. Va. See Construction News—Roads, Streets, Paving.

Road.—Apalachicola, Fla. See Construction News—Roads, Streets, Paving.

Road.—Jourdanton, Tex. See Construction News—Roads, Streets, Paving.

Road.—Savannah, Ga. See Construction News—Roads, Streets, Paving.

Road.—State of Maryland will build 2 roads. See Construction News—Roads, Streets, Paving.

Road.—Rocky Mount, N. C. See Construction News—Roads, Streets, Paving.

Road Roller.—Henry Lewis & Co., Engrs., Commercial Trust Bldg., Philadelphia, Pa.—Wants gasoline 3-wheel road roller, 7 to 10 tons.

Rocklath.—Griffith Co., 425 Clayton Bldg., or First M. E. Church, Sapulpa, Okla.—Wants prices on Rocklath for \$100,000 church.

Rolling Partitions.—Board of Education, J. H. Simral, Clk., Lexington, Ky.—Wants prices on rolling partitions for \$300,000 school.

Rolling Partitions.—J. J. Inelchen, Rayville, La.—Wants prices on rolling partitions for \$42,500 lodge building.

Rolling Partitions.—Bldg. Comm., M. E. Church, South, care Rev. J. L. Neill, Pastor, Yazoo City, Miss.—Wants prices on rolling partitions for \$40,000 Sunday school.

Rolling Partitions.—K. S. Archer, Baldwin, Miss.—Wants prices on rolling partitions for \$12,000 church.

Rolling Partitions.—Griffith Co., 425 Clayton Bldg., or First M. E. Church, Sapulpa, Okla.—Wants prices on rolling partitions for \$100,000 church.

Rolling Partitions.—Hawk & Parr, Cotton Exchange Bldg., Oklahoma City, Okla.—

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Want prices on rolling partitions for \$60,000 church for Hobart, Okla.

Rolling Partitions.—E. L. Robertson & L. R. Patterson, Calumet Bldg., Miami, Fla.—Want prices on rolling partitions for \$100,000 church.

Rolling Partitions.—City Board of Education, Prattville, Ala.—Wants prices on rolling partitions for \$50,000 school building.

Rolling Partitions.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants rolling partitions.

Roofing (Asbestos).—Fred Alloway, Sr., Sturgis, Ky.—Wants prices on asbestos roofing for \$12,000 residence.

Roofing (Composition).—Earl Cline, Box 621, Birmingham, Ala.—Wants prices on composition roofing for \$85,000 church, Ensley, Ala.

Roofing.—Rose-Gathings Furniture Co., Wadesboro, N. C.—Wants prices on composition built-up roofing for 2-story store building.

Roofing (Composition).—Sidney L. Day, First Huntington National Bank Bldg., Huntington, W. Va.—Wants prices on composition roofing for \$150,000 church recreation building.

Roofing (Composition).—Griffith Co., 425 Clayton Bldg., or First M. E. Church, Sapulpa, Okla.—Wants prices on composition roofing for \$100,000 church.

Roofing (Slate).—Raymond C. Snow & Co., 812 Bona Allen Bldg., Atlanta, Ga.—Want prices on slate roofing for \$45,000 dwelling.

Roofing (Composition).—Bldg. Comm., M. E. Church, South, care Rev. J. L. Neill, Pastor, Yazoo City, Mich.—Wants prices on composition roofing for \$40,000 Sunday school.

Roofing (Composition).—Wm. W. Emmart, Union Trust Bldg., Baltimore, Md.—Wants prices on composition roofing.

Roofing.—Board of Education, J. H. Simral, Clk., Lexington, Ky.—Wants prices on composition and tile roofing for \$300,000 school.

Roofing.—Josiah Richardson, 105 E. Palm Ave., Tampa, Fla.—Wants prices on composition and tile roofing for \$200,000 dance hall.

Roofing (Composition).—City Engineer, Brownsville, Tex.—Wants prices on composition roofing for \$17,000 Chamber of Commerce building.

Roofing.—W. A. Merrill, 154 Worth Ave., Palm Beach, Fla.—Wants prices on composition and tile roofing for \$125,000 hotel.

Roofing.—A. E. Runo, 1525 N. W. Miami Place, Miami, Fla.—Wants prices on composition roofing for \$30,000 store and apartment building.

Roofing.—City Board of Education, Prattville, Ala.—Wants prices on composition roofing for \$50,000 school.

Roofing.—Wm. Ward Watkins, Scanlan Bldg., Houston, Tex.—Wants prices on composition roofing for 7-story business building.

Roofing (Composition).—E. F. Rittenberry, 303 Blackburn Bldg., Amarillo, Tex.—Wants prices on composition roofing for \$60,000 high school at Paducah, Tex.

Roofing (Composition).—Wyatt C. Hedrick, First Natl. Bank Bldg., Fort Worth, Tex.—Wants prices on composition roofing for \$400,000 hospital.

Roofing (Composition).—J. J. Inelchen, Rayville, La.—Wants prices on composition roofing for \$42,500 lodge building.

Roofing (Composition).—Thos. M. Walker, Boynton, Fla.—Wants prices on composition roofing for \$70,000 casino.

Roofing Tile.—John O. Ray, Hefflin, Ala.—Wants prices on roofing tile for dwelling.

Roofing Tile.—A. Herz, Arcade Bldg., St. Louis, Mo.—Wants prices on roofing tile for \$30,000 residence.

Roofing Tile.—E. L. Robertson & L. R. Patterson, Calumet Bldg., Miami, Fla.—Want prices on roofing tile for \$100,000 church.

Roofing Tile.—Bldg. Comm., M. E. Church, South, care Rev. J. N. Neill, Pastor, Yazoo City, Miss.—Wants prices on roofing tile for \$40,000 Sunday school.

Roofing Tile.—Eli Clements Co., Commercial Bank Bldg., Charlotte, N. C.—Wants prices on roofing tile for dwelling.

Roofing Tile.—City Engineer, Brownsville, Tex.—Wants prices on roofing tile for \$17,000 Chamber of Commerce building.

Roofing Tile.—Griffith Co., 425 Clayton Bldg., Sapulpa, Okla.—Wants prices on roofing tile.

Roofing Tile.—G. A. Nodine, Mount Dora,

Fla.—Wants prices on 10 squares of roofing tile; starters, finish, hip roll; roof 30x32 ft.

Seating.—Rev. B. V. Ferguson, Pastor, First Baptist Church, or T. C. Gray, Chmn., Bldg. Comm., Fort Smith, Ark.—Wants prices on pews and chairs for church and Sunday school.

Seating.—W. S. Tatum, Pres., Bonhomie & Hattiesburg Southern R. R. Co., Hattiesburg, Miss.—Wants prices on seats for railroad passenger depots.

Sewage Pumping Station, etc.—City of Fort Lauderdale, Fla., B. J. Horne, Mgr.—Receives bids July 14 for furnishing material and constructing 3 sewage pumping stations and 5 ejector stations with force mains and air mains; approximately 6 miles of 4-in., 6, 10, 12, 16, 20 and 24 in. cast iron pipe, with specials, valves and hydrants, including flexible joint submerged pipe and approximately mile of 2½-in. and 2-in. galvanized iron pipe; Solomon, Norcross & Kels, Inc., Consult. Engrs., Fort Lauderdale, dale.

Sewers.—Board of Comms. of Sewer Improvement District No. 1 and Water Improvement District No. 1, Atkins, Ark.—Receives bids July 20 for installing 95 manholes: 32,500 ft. vitrified or concrete pipe; 1600 ft. of 10-in. vitrified or concrete pipe; 400 ft. of 12-in. vitrified or concrete pipe, disposal plant; Ford & MacCrea, Engrs., 215 Gazette Bldg., Little Rock.

Sewers (Sanitary and Storm Water).—A. C. J. Schabacker, Sec. of Council, Borough Hall, Jenkintown, Pa.—Receives bids July 26 to construct sanitary and storm water sewers consisting of following approximate quantities: 30,000 lin. ft. of 8-in., 3000 ft. of 10-in., 1500 lin. ft. of 12-in. and 1000 lin. ft. of 33-in. vitrified pipe sanitary sewer; 450 lin. ft. of 30-in., 650 lin. ft. of 27-in., 550 lin. ft. of 18-in., 400 lin. ft. of 15-in., 400 lin. ft. of 12-in. vitrified pipe storm sewer, and 150 manholes and miscellaneous appurtenances; Albright & Mebus, Engrs., 1502 Locust St., Philadelphia, Pa.

Sewers.—City of Palmetto, Fla.—Receives bids about Aug. 3 for sewers and white way system; cost \$150,000; F. K. Webb, Constr. Engr.

Sewers.—City of Tampa, Fla., Chas. N. Tucker, Pur. Agt.—Receives bids July 27 for sanitary sewer system; 2760 ft. of 8-in. concrete pipe, 81 8x4-in. Ys, 9 Class A manholes.

Sewers.—City of Fort Lauderdale, Fla., B. J. Horne, Mgr., 517 Bryan Place.—Receives bids Aug. 12 for furnishing materials and constructing sewage disposal plant; work includes 3,000,000 gal. daily capacity sewage treatment plant, reinforced concrete pre-sedimentation tanks, aeration tanks, sedimentation tanks, sludge tanks, power plant and equipment; Solomon, Norcross & Kels, Consult. Engrs., Fort Lauderdale, Fla.

Sewers.—City of Winter Park, Fla., C. Fred Ward, Mayor.—Receives bids August 18 for furnishing materials and constructing sanitary sewer system; 8365 ft. of 24-in., 1874 ft. of 21-in., 3337 ft. of 18-in., 570 ft. of 15-in., 700 ft. of 12-in., 3475 ft. of 10-in. sewer pipe; 250 ft. of 24-in. cast-iron pipe on piers; 120 ft. of 16-in. cast-iron pipe, inverted siphon 12 ft. to 14 ft. cut; 5700 ft. of 10-in. cast-iron pipe force mains; 98 Standard manholes; 100 vertical ft. drop manholes; 32 flush tanks; 3 cleanout boxes; 850 ft. of house connections; 100,000 ft. of b. m. lumber foundations; 20 cu. yds. Class A and 50 cu. yds. Class B concrete; 18,164 sq. yds. sand-filled brick pavement relaid; 9000 sq. yds. cement grouted brick pavement relaid; 2 sewage-pumping stations complete; disposal plant; four centrifugal pump units; N. A. Hotard, Engr., New Smyrna.

Sewers.—Baltimore County Comms., Towson, Md., John R. Hant, Clk.—Receives bids Aug. 2 for laying sewers and appurtenances in Catonsville, Parkville and Pikeville; Proposal No. 8-3, 43,024 ft. of 8-in., 2237 ft. of 10-in., 2230 ft. of 12-in. terra cotta sewer; 1130 ft. replacing existing 10-in. and 12-in. terra cotta sewer; 18,000 house connections, forty 6x6, 1500 8x6, 32 10x6 and 101 12x6 Y branches; 1830 ft. of 6-in., 2042 ft. of 8-in. cast iron force mains, 5000 ft. of 4-in. and 1000 ft. of 6-in. tile underdrain, 166 manholes, 3850 cu. yds. rock excavation, 1600 cu. yds. of misc. and test pit earth excavation, 1000 cu. yds. earth excavation and refill below subgrade, 1000 cu. yds. of earth excavation and gravel refill below subgrade, 10,000 sq. ft. concrete sidewalk repaving, 1000 ft. of earth excavation in tunnel under State Roads; 1000 ft. of permanent repaving, 1000 ft. of permanent repaving, macadam; A. E. Walden, Ch. Engr., Baltimore County Metropolitan District, Towson.

Sewers.—Town of Liberty, N. C., B. C.

Reitzel, Mayor.—Receives bids July 29 for sewer system; Spoon, Lewis & Camp, Consulting Engrs., American Bank Bldg., Greensboro and Asheville.

Sheet Aluminum.—Wm. R. Doll, Jr., Roanoke, Va.—Wants quantity of sheet aluminum for shipment to Mexico; correspond with firm having Western branch.

Shovel and Dragline.—Standard Power Equipment Co., Birmingham, Ala.—Wants ¼ or ¾ yd. revolving-combination shovel and dragline mounted on crawlers; either gasoline, steam or electric power; gasoline preferred.

Show Windows.—Rose-Gathings Furniture Co., Wadesboro, N. C.—Wants prices on four plate-glass entrance and show windows for 2-story store building.

Sidewalks, etc.—Abilene, Tex. See Construction News—Roads, Streets, Paving.

Soda Fountain.—W. A. Merrill, 154 Worth Ave., Palm Beach, Fla.—Wants prices on soda-water fountain for \$125,000 hotel.

Sprinklers.—J. J. Inelchen, Rayville, La.—Wants prices on sprinklers for \$42,500 lodge building.

Sprinklers.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants sprinklers.

Sprockets.—C. A. Deas, Rock Hill, S. C.—Wants data and prices on 8-tooth sprockets used in manufacture of cotton-picker machine.

Steam Shovel.—Jellico Brick Corp., Jellico, Tenn.—Wants steam shovel.

Steel.—Rose-Gathings Furniture Company, Wadesboro, N. C.—Wants prices on steel for 2-story store building.

Steel Cases.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids July 26 to furnish and erect steel cases. Sch. No. 38-1927.

Steel Gears.—C. A. Deas, Rock Hill, S. C.—Wants data and prices on steel bevel gears and steel worm gears used in manufacture of cotton-picker machines.

Steel Roller Chain.—C. A. Deas, Rock Hill, S. C.—Wants data and prices on steel roller chain and detachable link chain used in manufacture of a cotton-picker machine.

Steel Sash.—Sidney L. Day, First Huntington, W. Va.—Wants prices on steel sash for \$150,000 church recreation building.

Steel Sash.—Nichol & Campbell, 29-30 Radford Bldg., Abilene, Tex.—Want prices on steel sash for \$75,000 city auditorium.

Steel Sash and Trim.—G. H. Cooper, 215-26 Lafayette Arcade, Tampa, Fla.—Wants prices on steel sash and trim for \$1,700,000 Eloise Apartments, Winter Haven, Fla.

Steel Sash and Trim.—E. L. Robertson & L. R. Patterson, Calumet Bldg., Miami, Fla.—Want prices on steel sash and trim for \$100,000 church.

Steel Sash and Trim.—Rev. A. J. Secrist, Pastor, First United Brethren Church, Martinsburg, W. Va.—Wants prices on steel sash and trim for \$10,500 parsonage.

Steel Sash and Trim.—Raymond C. Snow & Co., 812 Bona Allen Bldg., Atlanta, Ga.—Want prices on steel sash and trim for \$45,000 dwelling.

Steel Sash and Trim.—Sumner Construction Co., 135 Fourth Ave. N., Nashville, Tenn.—Wants prices on steel sash and trim for \$100,000 school, Jamestown, Tenn.

Steel Sash and Trim.—E. C. Hardin, Supt., Kentucky Houses of Reform, Greendale, Ky.—Wants prices on steel sash and trim.

Steel Sash and Trim.—A. E. Runo, 1525 N. W. Miami Place, Miami, Fla.—Wants prices on steel sash and trim for \$30,000 store and apartment building.

Steel Sash and Trim.—Wm. Ward Watkins, Scanlan Bldg., Houston, Tex.—Wants prices on steel sash and trim for 7-story business building.

Steel Sash and Trim.—Board of Education, J. H. Simral, Clk., Lexington, Ky.—Wants prices on steel sash and trim for \$300,000 school.

Steel Sash and Trim.—Josiah Richardson, 105 E. Palm Ave., Tampa, Fla.—Wants prices on steel sash and trim for \$200,000 dance hall.

Steel Sash and Trim.—A. Herz, Arcade Bldg., St. Louis, Mo.—Wants prices on steel sash and trim for \$30,000 residence.

Steel Sash and Trim.—Wm. W. Emmart, Union Trust Bldg., Baltimore, Md.—Wants prices on steel sash and trim.

Steel Sash and Trim.—Alsop & Callanan, 524 Dermon Bldg., Memphis, Tenn.—Wants prices on steel sash and trim for \$30,000 church, Demopolis, Ala.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Steel Sash and Trim.—J. J. Ineichen, Rayville, La.—Wants prices on steel sash and trim for \$42,500 lodge building.

Steel Sash and Trim.—E. F. Rittenberry, 303 Blackburn Bldg., Amarillo, Tex.—Wants prices on steel sash and trim for \$60,000 high school at Paducah, Tex.

Steel Sash and Trim.—Wyatt C. Hedrick, First Natl. Bank Bldg., Fort Worth, Tex.—Wants prices on steel sash and trim for \$400,000 hospital.

Steel Sash and Trim.—Justus & Jones, East Flat Rock, N. C.—Wants prices on steel sash and trim for \$15,000 courthouse addition, Hendersonville, N. C.

Steel Tanks.—Standard Power Equipment Co., Birmingham, Ala.—Wants one or two steel tanks, 40,000 to 60,000 gal. capacity for creosote oil.

Stokers.—Board of Public Service, St. Louis, Mo.—Receives bids July 27 for furnishing all tools, materials and labor necessary for construction and erection of four forced draft chain grate stokers in boiler room of Missouri River pumping station, and for furnishing all tools, etc., for constructing standard gauge railroad track to Municipal Service Bldg., Eleventh and Poplar Sts.

Stone.—U. S. Engineer Office, Wilmington, Del.—Receives bids July 30 to furnish and deliver stone for jetty repairs, Cold Spring Inlet, N. J.

Stone.—Atascosa County Comms. Court, Earl D. Scott, County Judge, Jourdanton, Tex.—Receives bids July 30 for 5932.2 cu. yd. crushed run broken stone and 5943.2 cu. yd. waterbound macadam stone, unit price per ton f. o. b. cars or trucks at pit or quarry.

Stone.—U. S. Engineer Office, Wilmington, Del.—Receives bids July 30 to furnish and deliver stone for jetty repairs, Cold Spring Inlet, N. J.

Strawboard.—Tampa Thermalene Gas Corp., 305 Jackson St., Tampa, Fla.—Wants strawboard.

Street.—Monroe, La. See Construction News—Roads, Streets, Paving.

Street.—West Palm Beach, Fla. See Construction News—Roads, Streets, Paving.

Street.—Ada, Okla. See Construction News—Roads, Streets, Paving.

Street.—Baltimore, Md. See Construction News—Roads, Streets, Paving.

Street.—St. Louis, Mo. See Construction News—Roads, Streets, Paving.

Street.—Franklin, Ky. See Construction News—Roads, Streets, Paving.

Street.—Marianna, Fla. See Construction News—Roads, Streets, Paving.

Tables.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids July 19 for two cooks' tables, 30x72 in., without shelf.

Tank and Tower.—See Water Works.

Tank and Tower.—See Water Works.

Terra Cotta Trim.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants terra cotta trim.

Terra Cotta Trim.—G. W. Vaughan, 403 Keystone Bldg., Houston, Tex.—Wants prices on terra cotta trim for dwelling, Liberty, Tex.

Terra Cotta Trim.—Wm. W. Emmart, Union Trust Bldg., Baltimore, Md.—Wants prices on terra cotta trim.

Terra Cotta Trim.—Bldg. Comm. M. E. Church, South, care Rev. J. L. Neill, Pastor, Yazoo City, Miss.—Wants prices on terra cotta trim for \$40,000 brick, cast stone and terra cotta Sunday school.

Terra Cotta Trim.—Wyatt C. Hedrick, First Natl. Bank Bldg., Fort Worth, Tex.—Wants prices on terra cotta trim for \$400,000 hospital.

Terra Cotta Trim.—J. J. Ineichen, Rayville, La.—Wants prices on terra cotta trim for \$42,500 lodge building.

Terra Cotta Trim.—G. H. Cooper, 215-26 Lafayette Arcade, Tampa, Fla.—Wants prices on terra cotta trim for \$1,700,000 Eloise Apartments, Winter Haven, Fla.

Tile.—Fred Alloway, Sr., Sturgis, Ky.—Wants prices on hollow and interior tile for \$12,000 residence.

Tile.—Thos. M. Walker, Boynton, Fla.—Wants prices on hollow tile; also on 6x6-in. and 9x6-in. interior tile for \$100,000 casino.

Tile.—A. Herz, Arcade Bldg., St. Louis, Mo.—Wants prices on hollow and interior tile for \$30,000 residence.

Tile.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants hollow tile and interior tile.

Tile.—E. C. Hardin, Supt., Kentucky Houses of Reform, Greendale, Ky.—Wants prices on hollow tile.

Tile.—Sidney L. Day, First Huntington National Bank Bldg., Huntington, W. Va.—Wants prices on hollow and interior tile for \$150,000 church recreation building.

Tile.—Griffith Co., 425 Clayton Bldg., or First M. E. Church, Sapulpa, Okla.—Wants prices on interior tile for \$100,000 church.

Tile.—E. L. Robertson and L. R. Patterson, Calumet Bldg., Miami, Fla.—Wants prices on hollow and interior tile for \$100,000 church.

Tile.—Raymond C. Snow & Co., 812 Bona Allen Bldg., Atlanta, Ga.—Wants prices on hollow and interior tile for \$45,000 dwelling.

Tile.—G. H. Cooper, 215-26 Lafayette Arcade, Tampa, Fla.—Wants prices on hollow and interior tile for \$1,700,000 Eloise Apartments, Winter Haven, Fla.

Tile.—Wm. Ward Watkins, Scanlan Bldg., Houston, Tex.—Wants prices on hollow tile for 7-story business building.

Tile.—Chas. P. Jones & Co., Binz Bldg., Houston, Tex.—Wants prices on hollow tile for \$50,000 apartment building.

Tile.—Eli Clements Co., Commercial Bank Bldg., Charlotte, N. C.—Wants prices on hollow and interior tile for dwelling.

Tile.—Wm. W. Emmart, Union Trust Bldg., Baltimore, Md.—Wants prices on hollow and interior tile.

Tile.—City Engineer, Brownsville, Tex.—Wants prices on hollow and interior tile for \$17,000 Chamber of Commerce building.

Tile.—Nichol & Campbell, 29-30 Radford Bldg., Abilene, Tex.—Wants prices on hollow tile for \$75,000 city auditorium.

Tile (Hollow).—W. A. Merrill, 154 Worth Ave., Palm Beach, Fla.—Wants prices on hollow tile for \$125,000 hotel.

Tile.—Wyatt C. Hedrick, First Natl. Bank Bldg., Fort Worth, Tex.—Wants prices on hollow and interior tile for \$400,000 hospital.

Tile.—G. A. Nodine, Mount Dora, Fla.—Wants prices on tile for porch and bathrooms for \$10,000 dwelling.

Tile.—Board of Education, J. H. Simral, Clk., Lexington, Ky.—Wants prices on hollow and interior tile for \$300,000 school.

Tile.—Josiah Richardson, 105 E. Palm Ave., Tampa, Fla.—Wants prices on hollow tile for \$200,000 dance hall.

Tile.—W. C. Stephenson, Room 6, Klipstein Bldg., Beeville, Tex.—Wants prices on hollow and interior tile for \$40,000 church.

Tile (Hollow).—E. F. Rittenberry, 303 Blackburn Bldg., Amarillo, Tex.—Wants prices on hollow tile for \$60,000 high school at Paducah, Tex.

Tile.—Sumner Construction Co., 155 Fourth Ave. N., Nashville, Tenn.—Wants prices on hollow tile for \$100,000 school, Jamestown, Tenn.

Timber Sizer.—Newman Machine Co., Jackson St. and Southern Rwy., Greensboro, N. C.—Wants good second-hand or rebuilt timber sizer, 20x16 in.

Toasters.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids July 19 for 10 gas toasters, 6-slice capacity; A. Pick & Co.'s No. 4-E-3759 or equal.

Trimmer.—L. J. Breed Equipment Co., 811 James Bldg., Chattanooga, Tenn.—Wants double end trimmer, second-hand.

Universal Joints.—C. A. Deas, Rock Hill, S. C.—Wants data and prices on Universal joints used in manufacture of cotton-picker machine.

Vacuum Cleaning System.—W. B. Enoch & Son, 207 South Greensboro Bank, Greensboro, N. C.—Wants sub-bids on vacuum cleaning system for \$25,000 dwelling.

Vaults.—Hawk & Parr, Cotton Exchange Bldg., Oklahoma City, Okla.—Wants prices on vaults for \$60,000 church, Hobart, Okla.

Vaults.—W. C. Stephenson, Room 6, Klipstein Bldg., Beeville, Tex.—Wants prices on vaults for \$40,000 church.

Vaults.—Valley Mill & Cabinet Works, P. O. Box 298, Weslaco, Tex.—Wants vaults and vault lights.

Vault Lights.—City Board of Education, Prattville, Ala.—Wants prices on vault lights for \$50,000 school.

Vault Lights.—Wm. Ward Watkins, Scanlan Bldg., Houston, Tex.—Wants prices on vault lights for 7-story business building.

Vault Lights.—W. C. Stephenson, Room 6, Klipstein Bldg., Beeville, Tex.—Wants prices on vault lights for \$40,000 church.

Ventilators.—A. E. Runo, 1525 N. W. Miami Place, Miami, Fla.—Wants prices on venti-

lators for \$30,000 store and apartment building.

Ventilators.—Thos. M. Walker, Boynton, Fla.—Wants prices on ventilators for \$70,000 casino.

Ventilators.—City Board of Education, Prattville, Ala.—Wants prices on ventilators for \$50,000 school.

Ventilators.—Curtis & Lightfoot, Paris, Tex.—Wants prices on ventilators.

Ventilators.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants ventilators.

Ventilators.—W. A. Merrill, 154 Worth Ave., Palm Beach, Fla.—Wants prices on ventilators for \$125,000 hotel.

Ventilators.—G. H. Cooper, 215-26 Lafayette Arcade, Tampa, Fla.—Wants prices on ventilators for \$1,700,000 Eloise Apartments, Winter Haven, Fla.

Ventilators.—Wyatt C. Hedrick, First Natl. Bank Bldg., Fort Worth, Tex.—Wants prices on ventilators for \$400,000 hospital.

Ventilators.—J. J. Ineichen, Rayville, La.—Wants prices on ventilators for \$42,500 lodge building.

Ventilators.—A. Block, 810 Mulberry St., Macon, Ga.—Wants prices on ventilators for \$30,000 apartment house.

Vegetable Peeling Machines.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids July 19 for vegetable peeling machines.

Water Heaters.—Tampa Thermalene Gas Corp., 305 Jackson St., Tampa, Fla.—Wants automatic water heaters.

Water Mains.—Baltimore County Comms., Towson, Md.—Receives bids Aug. 2 for laying water mains and appurtenances in Belair Rd., Philadelphia Rd. and Liberty Heights Ave.; Proposal No. 10-W, 200 ft. of earth excavation and refill for 8-in. pipe; 50 ft. Class A, 50 ft. Class B, 50 ft. Class C rock excavation and earth refill for 8-in. pipe; 400 ft. of tunneling and rammed back fill at street crossing for 8-in. pipe; 70 ft. of earth excavation and refill for 8-in. pipe; 10 ft. of Class A, 10 ft. of Class B and 10 ft. of Class C rock excavation and earth refill for 8-in. pipe; earth excavation and refill for 10-in. pipe; 10 ft. of Class A, 10 ft. of Class B and 10 ft. of Class C rock excavation and earth refill for 10-in. pipe; tunneling and rammed back fill at street crossing for 12-in. pipe, 10,150 ft. of earth excavation and refill for 12-in. pipe; 500 ft. Class A, 300 ft. Class B, 100 ft. Class C rock excavation and earth refill for 12-in. pipe; 100 ft. tunneling rammed back fill at street crossing for 12-in. pipe; 1160 ft. earth excavation and refill for 16-in. pipe; 600 ft. of Class A, 500 Class B, 200 Class C rock excavation and earth refill for 16-in. pipe; 100 ft. of tunneling and rammed back fill at street crossing for 16-in. pipe; 150 ft. of earth excavation and refill for 20-in. pipe; 50 cu. yds. miscellaneous and test pit earth excavation and refill and 430 ft. of concrete repaving roadways; Proposal No. 11-W, 750 ft. laying 6-in. mains, 300 ft. laying 8-in., 120 ft. 10-in., 11,350 ft. of 12-in., 13,000 ft. of laying 16-in., 150 ft. of laying 20-in. mains, valves, fittings, lead joints; alternate bids leadite joints; 27 each placing fire hydrants; A. E. Walden, Ch. Engr., Baltimore Metropolitan District, Towson.

Waterproofing.—Rose-Gathings Furniture Co., Wadesboro, N. C.—Wants prices on waterproofing for 2-story store building.

Water Works.—Board of Comms. of Sewer Improvement District No. 1 and Water Improvement District No. 1, Atkins, Ark.—Receives bids July 20 for furnishing materials and labor for constructing sanitary sewer system and water works; work includes installation of 28,500 ft. of 4-in. to 10-in. cast iron mains; 19,500 galvanized iron mains; 30 fire hydrants; 140,000 gal. concrete reservoir; 100,000 gal. elevated tank on 100-ft. trestle; 50 h.p. engine; pump; Ford & MacCrea, Engrs., 215 Gazette Bldg., Little Rock.

Water Works.—Town of Liberty, N. C., R. C. Reitzel, Mayor—Receives bids July 29 for construction of water and sewerage system; proposals received covering individual parts of system as well as complete system; Spoon, Lewis & Camp, American Bank Bldg., Consol. Enrs., Greensboro and Asheville.

Water Works.—Henry A. Mentz, Consol. Engrs., Citizens National Bank Bldg., Hammond, La.—Receives bids July 23 at Webb, Miss., for water-works system, including cast iron water main, valves, boxes and hydrants, elevated tank, pumping machinery and miscellaneous construction work.

White Way.—City of Palmetto, Fla.—Receives bids about Aug. 3 for white way lights and sewers; cost \$150,000; F. K. Webb, Constr. Engr.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Wire Glass.—Earl Cline, Box 621, Birmingham, Ala.—Wants prices on wire glass for \$85,000 church, Ensley, Ala.

Wire Glass.—Sidney L. Day, First Huntington Natl. Bank Bldg., Huntington, W. Va.—Wants prices on wire glass for \$150,000 church and recreation building.

Wire Glass.—Wm. W. Emmart, Union Trust Bldg., Baltimore, Md.—Wants prices on wire glass.

Wire Glass.—A. E. Runo, 1525 N. W. Miami Place, Miami, Fla.—Wants prices on wire glass for \$30,000 store and apartment building.

Wire Glass.—Wm. Ward Watkins, Scanlan Bldg., Houston, Tex.—Wants prices on wire glass for 7-story business building.

Wire Glass.—Valley Mill & Cabinet Works, P. O. Box 297, Weslaco, Tex.—Wants wire glass.

Wire Glass.—J. J. Inelchen, Rayville, La.—Wants prices on wire glass for \$42,500 lodge building.

Wire Glass.—Justus & Jones, East Flat Rock, N. C.—Want prices on wire glass for \$15,000 courthouse addition, Hendersonville, N. C.

Wire Glass.—E. F. Rittenberry, 303 Blackburn Bldg., Amarillo, Tex.—Wants prices on wire glass for \$60,000 high school at Paducah, Tex.

Woodworking Machinery.—C. M. Williams, 39th and Opalache Ave., Hialeah, Fla.—Wants second-hand planer and matcher for small woodworking plant.

Trade Literature

All About the Many Uses of Sheet Steel.

"Talking About Sheet Steel," the last article in Volume 2, Number 3, of "Making Markets," published by the Sheet Steel Trade Extension Committee, Oliver Building, Pittsburgh, Pa., gives a rather unusual picture of the future application of sheet steel to building and building equipment. There is also in the same number a very interesting contribution concerning the use of sheet steel for portable buildings and Dr. Arendt's article about "Turning Luxuries Into Necessities" is entertaining as well as instructive for its revelations of American life. In Volume 2, Number 3, of "Sheet Steel Service" there are at least two contributions of particular value, one of them telling about a sheet-steel roof which outlasted the building on which it was placed some 60 years ago, and another describing a town the buildings of which are almost all roofed with sheet steel. The pictures show the beauty that can be obtained with a roof of sheet steel when it is properly applied. Number 4 of the same Volume 2 of "Sheet Steel Service" has impressive articles captioned as follows: "To Sell Sheet-Steel Roofs," "New Braunfels, the Sheet-Steel Town," and "Uncle Sam Tries Sheet-Steel Roof, and Likes It." All are beautifully illustrated. The manifold uses to which sheet steel may be put are comprehensively revealed by these publications.

American Blower Bulletins.

The American Blower Company, Detroit, Mich., in their Bulletin No. 4413 tell all about the reversible Ventura ventilator and permanent wall fixture, the reading matter being accompanied by a series of excellent illustrations. Electric built-in ventilators and home ventilators are also described in two small folders.

Gallon Graders and Conveyors.

The Gallon Iron Works and Manufacturing Company, Gallon, Ohio, has published two illustrated folders giving full particulars about the Gallon 89 E-Z Lift Grader and also the Gallon Belt Conveyor. The bulletins are finely printed and the pictures are also superior.

A Trio of G-E Bulletins.

The General Electric Company, Schenectady, N. Y., has issued several bulletins lately, all of them being illustrated. One relates to electric heating equipment for industrial ovens, another to helicoil sheath wire units, and a third to motor drives in textile mills. The latter is large and contains an abundance of pictures of installations.

Industry in Arkansas.

"An Industrial Awakening in Arkansas" is the title of a pamphlet circulated by the Industrial Committee of the Arkansas Bankers Association and containing an outline program by George Vaughan of Little Rock, president of the National Tax Association, besides suggestions as to some things that the industrial committee might do, by Charles L. Thompson of the same city.

A Book About Vacations.

The Baltimore Steam Packet Company, or "Old Bay Line," operating steamers between Baltimore, Old Point, Norfolk and Portsmouth, has issued a summer book of vacation and week-end trips to seashore and mountain resorts which is beautifully illustrated and contains information as to travelling arrangements, rates of fare, etc., as well as facts concerning resorts. The book is finely printed by Fleet-McGinley, Inc., of Baltimore.

Reading Wrought-Iron Pipe Bulletin.

A new bulletin published by the Reading Iron Company, Reading, Pa., contains reports of investigations made by the A. C. Nielsen Company on the ultimate cost of piping installations, with special reference to the value of Reading genuine wrought-iron pipe. Installations of this pipe have been made in the

Metropolitan Museum of Art and in Bellevue and other hospitals in New York city, in the Fisher Building and Mercy Hospital in Chicago, in the Hotel Walton, Philadelphia, and in many other places. Complete information is presented.

U. T. Hungerford Brass and Copper Book.

The ninth edition of the U. T. Hungerford Brass and Copper Company's catalogue of brass, copper and bronze sheets, tubes, rods, wire, rivets, nails, etc., has been issued from the offices in New York city. It is a beautifully prepared book of 63 pages, with cover coated in imitation of fine, satin-finish brass. Pictures of the various products of the company are shown in their proper colors, accompanied by complete tabulated data for the use of customers. The publication reflects great credit not only upon the manufacturers but upon its printers and binders.

Lidgerwood Bulletin of Cableways.

Bulletin No. 36, issued by the Lidgerwood Manufacturing Company, 96 Liberty street, New York, presents "Facts of Performance" regarding cableways for coal storage and reclaiming, and the leading article tells about the operation of the Lidgerwood radial travelling cableway used at the Westport generating station of the Consolidated Gas, Electric Light and Power Company of Baltimore. The span between the towers of this installation is very nearly 1000 feet and the clamshell type of bucket is employed with a load of from three to four tons. The maximum amount handled in nine hours is 2200 tons. Facts as to cost of operation, etc., are all given. Another article tells about the coal-ing method of the Penn-Ohio System at Toronto, Ohio. There is an inset with each article.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Fort Armistead to Be Sold.

Elsewhere in this issue formal announcement is made of the forthcoming sale on July 29 of the Fort Armistead Military Reservation, consisting of about 45 acres of land at Hawkins Point, on the Patapsco River, eight miles south of Baltimore, Md. The place is suitable for industrial and other purposes and there is a bathing beach, a wharf and an artesian well. Particulars may be had from the Quartermaster General, Room 2341, Munitions Building, Washington, D. C.

Rogers W. Davis.

Rogers W. Davis of Charlotte, N. C., who during the last 20 years has been agent in the South for the Saco-Lowell Shops of Lowell, Mass., manufacturers of textile machinery, died June 17 in Atlanta, Ga., of pneumonia, with which malady he was stricken while visiting there on the graduation of his son, Alexander Davis, at the Georgia Tech. Mourning cards have been sent out by the Saco-Lowell Shops. Mr. Davis was born at Porterdale, Ga., and in 1901 he became associated with John Hill in Atlanta as selling agent for the Lowell Machine Shop, prior to which time he had been superintendent of the Bibb Manufacturing Company, with plants at several points in Georgia. From 1912 to 1915 he was at Lowell, Mass., and in the latter year he returned South, locating for the company at Charlotte.

Climax Appoints Another Station.

The Climax Engineering Company of Clinton, Iowa, have appointed the Maerky Machine Works, 240 Cherry street, Philadelphia, Pa., of which George M. Stroblein is proprietor and manager, to be official parts and service station in that city and its vicinity. A stock of Climax parts will be maintained.

Garlock Branch at Houston, Tex.

The Garlock Packing Company of Palmyra, N. Y., widely known manufacturers of the Garlock mechanical packings, have opened a new branch office and warehouse at 805 Washington avenue, Houston, Texas. The establishment of this branch will facilitate the sale and delivery of the company's products throughout the state of Texas.

Graybar Opens Branch at Asheville.

Announcement is made by the New York executive offices of the Graybar Electric Company of the opening on July 1 of a new branch office and warehouse of the company at Asheville, N. C. The new branch is located in a two-story building at Commerce and Buncombe streets. There are 4900 square feet of floor space and this branch constitutes the fifty-seventh distributing branch of the company. A complete line of Graybar and Western Electric products and other electrical supplies will be carried in stock. H. H. Hix, formerly of the Atlanta (Ga.) branch, is in charge.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



Etching made for the Kelly-Springfield Tire Company, by O. Kuhler, Pittsburgh

WHENEVER heavy burdens are to be carried, or unusually trying road conditions encountered, truck owners can depend upon Kelly Kats—the original notched-tread truck tires—to solve their tire problems. The reason is simply that no other type of tire offers the same combination of traction, resiliency and mileage.

KELLY~SPRINGFIELD TIRES

FINANCIAL NEWS

Bond Issues Proposed

Ala., Alabama City—School—City, W. H. Norton, Clk., receives bids July 20 for \$80,000 5½% \$1000 coupon bonds.*

Fla., De Funiak Springs—Municipal Improvement—City rejected bids for \$92,000 6% bond issue; E. L. Townsend, Mayor.*

Fla., Fort Myers—Improvement—City Comm. plans selling \$1,750,000 bonds.

Fla., Fort Myers—School—Lee County Board of Public Instruction, J. Colin English, Supt. of County Schools, will sell in August \$300,000 bonds.*

Fla., Kissimmee—Road—Osceola County Commrs., John L. Overstreet, Clk., receives bids July 24 for \$2,000,000 6% \$500 denom. bonds.*

Fla., Melbourne—Municipal Improvement—City Comm., David Peel, Chmn., receives bids July 30 for \$30,000 6% \$1000 denom. bonds.

Fla., Miami Beach—Park Improvement—City, Claude A. Renshaw, Mgr., will call election Aug. 3 on \$500,000 bonds.

Fla., Orange Park—Paving—City voted \$75,000 bonds. Address City Clerk.

Fla., Orlando—School—Orange County Special Tax School Dist. No. 6 votes July 16 on \$105,000 6% \$1000 denom. bonds.

Fla., Orlando—Municipal Improvement—City, J. A. Stinson, Clk., receives bids July 21 for \$230,000 5% \$1000 denom. bonds; \$170,000, paving; \$60,000, sewer.

Fla., Pensacola—School—Escambia County Board of Public Instruction, Wm. Tyler, Supt., receives bids Aug. 3 for \$40,000 Special Tax School Dist. No. 6 bonds; voted bonds.

Fla., St. Augustine—School—St. Johns County Board of Public Instruction, Robt. B. Meserve, Supt., receives bids Aug. 3 for \$250,000 6% \$1000 denom. Special Tax School Dist. No. 1 bonds.

Fla., Sarasota—Sarasota County Commrs., O. E. Roesch, Clk., rejected bids for \$1,361,000 highway and \$50,000 courthouse bonds.*

Fla., Tallahassee—Leon County Commrs., Paul V. Lang, Clk., receives bids July 29 for \$900,000 5% \$1000 denom. coupon bonds.

Fla., Tarpon Springs—Park—City votes in Aug. on \$68,000 bonds. Address City Clk.*

Fla., Vero Beach—City, H. G. Redstone, Clk., receives bids July 15 for \$150,000 6% \$1000 denom. coupon bonds.

Fla., Winter Park—Improvement—City Comm., E. F. Bellows, Clk., receives bids July 30 for \$283,000 6% \$1000 denom. bonds.

Ga., Fair Mount—School—City votes soon on bonds. Address Gordon County School Supt., Calhoun.

Ga., Leslie—Water Works—City votes July 21 on \$18,000 bonds. Address The Mayor.

Ga., Rossville—Sewer—City, J. S. Alsobrook, Mayor, will call election July 17 on \$80,000 bonds.

Ga., Statenville—School—Echols County Board of Education, J. T. Culberson, Sec., will call election August 4 on \$32,000 bonds.

Ky., Elkton—Road—Todd County Commrs., will call election August 7 on bonds.

Ky., Greenville—Road—Muhlenberg County votes Aug. 7 on \$500,000 bonds. Address County Commrs.

Ky., Loudon—Road—Laurel County votes Aug. 13 on \$200,000 bonds. Address County Commrs.

La., Lake Charles—Drainage—Commrs. of Gravity Drainage Dist. No. One, Calcasieu and Jeff Davis Parishes receive bids August 25 for \$125,000 bonds.*

La., Ruston—Municipal Improvement—City, Mayor Moore, voted \$150,000 bonds; \$100,000, light and water; \$35,000, sewer; \$15,000, fire station.*

La., Thibodaux—Road—La Fourche Parish Police Jury, Charles J. Coulon, Clk., receives bids Aug. 11 for \$50,000 6% \$500 denom. Road Dist. No. 8 coupon bonds.

Md., Annapolis—Indebtedness—State, John M. Dennis, Treasurer receives bids Aug. 11 for \$820,000 4½% General Construction Loan of 1924; Albert C. Ritchie, Governor.

Md., Frederick—City, Lloyd C. Fuller, Mayor, receives bids Aug. 4 for \$25,000 4½% \$1000 denom. coupon bonds; Aubrey A. Nicodemus, City Register.

Miss., Biloxi—Municipal Improvement—City Comm. will call election July 27 on \$230,000 bonds; \$196,000, water works ex-

tension; \$24,000, fire department improvement; \$10,000, docks.*

Miss., Collins—Road—Covington County Commrs. plan \$50,000 bond election.

Miss., Collins—City Hall—City, W. U. Corley, Mayor, voted bonds.

Miss., Natchez—Road—Adams County defeated \$400,000 bonds. Address Board of Supvrs.*

Miss., Pascagoula—Toll Bridge—Jackson County Board of Supvrs., Fred Taylor, Chancery Clk., receives bids Aug. 2 for \$275,000 4% or 5% \$1000 denom. bonds.

Mo., Deepwater—Water Works—City plans \$50,000 bond election; Russell & Axon, Engrs., 412 McDaniels Bldg., Springfield.

Mo., Smithville—Water Works—City voted \$85,000 bonds. Address City Clk.

N. C., Asheville—Road, Bridge—Buncombe County Commrs. receive bids Aug. 2 for \$1,000,000 4½ to 5½% \$1000 denom. bonds.

N. C., Carolina Beach—Public Improvement—Town, E. D. Turner, Clk., receives bids July 20 for \$60,000 6% \$1000 denom. gold bonds.*

N. C., Elizabeth City—Water Works—City voted \$400,000 bonds; W. C. Olsen, City Engr.*

N. C., Elizabeth City—Sewer—City voted \$142,000 bonds; W. C. Olsen, City Engr.*

N. C., Greensboro—School—Guilford County Commrs. receive bids Aug. 3 for \$1,300,000 4½ or 4¾% \$1000 denom. Greater Greensboro School Dist. bonds; Frederick Archer, Supt. of Schools.*

N. C., Sanford—School—School Committee of South Sanford School Dist., C. Heck, Sec., receives bids July 19 for \$15,000 6% bonds.

N. C., Winston-Salem—Water Works, Sewer—City plans \$400,000 bond election. Address City Clk.

Okla., Altus—Water Works—City receives bids July 26 for \$690,000 5% bonds. Address City Clk.

Okla., Billings—School—City voted \$15,000 bonds. Address Pres. Board of Trustees.

Okla., Coweta—Water Works—City voted \$20,000 bonds; John Gill, Clk.*

Okla., Tuttle—Paving—City voted \$41,600 bonds; Gantt-Baker Co., Engrs., 1116 Main St., Oklahoma City.

S. C., Chesterfield—Railroad—Chesterfield County voted \$100,000 bonds toward building railroad from McBee, S. C., to Monroe, N. C. Address County Commrs.

S. C., Gaffney—Street—City voted \$100,000 bonds. Address City Clk.*

S. C., Orangeburg—City Hall—City contemplates \$175,000 bond election. Address City Clk.

Tenn., Chattanooga—Improvement—City, Richard Hardy, Mayor, receives bids July 17 for \$225,000 4½% \$1000 denom. Suburban bonds.

Tenn., Chattanooga—Tunnel—Hamilton County Election Comm. will call election Aug. 5 on \$600,000 bonds for tunnel through Missionary Ridge; T. W. Stanfield, County Attorney.*

Tenn., Chattanooga—Buildings—City, Mayor Hardy, will call election Sept. 2 on \$545,000 bonds; \$420,000, school; \$125,000, city's share toward Children's hospital.*

Tenn., Chattanooga—School—City, Mayor Hardy, receives bids Aug. 6 for \$50,000 5% bonds.

Tenn., Cleveland—School—Bradley County, W. L. Humphrey, County Judge, receives bids Aug. 6 for \$50,000 5% \$1000 denom. bonds.

Tenn., Hohenwald—Water Works—City voted \$55,000 bonds. Address City Clk.*

Tenn., Knoxville—Refunding—City, Charlton Karnes, Mgr., 2121 N. Broadway, plans \$1,000,000 bond issue.

Tenn., LaFollette—Courthouse—City voted \$50,000 bonds. Address City Clk.*

Tenn., Linden—Road—Perry County Commrs. plan \$50,000 bond election.

Tenn., Nashville—Street and General Improvement—City, S. H. McKay, Clk., receives bids July 16 for \$250,000 5% \$1000 denom. bonds; \$140,000, street, \$110,000, general improvement.

Tex., Alamo—Paving—City votes soon on bonds. Address The Mayor.

Tex., Amarillo—School—Board of Education calls election soon on \$250,000 bonds; W. A. McIntosh, Supt. of Schools.

Tex., Banquete—School—Neuces County, Judge Wright, voted \$12,000 5% Banquete Common School Dist. No. 4 bonds.*

Tex., Clarksville—Paving—City votes July 27 on \$50,000 bonds. Address The Mayor.

Tex., Edinburg—School—City voted \$1,000,000 bonds. Address Pres. Board of Trustees.

Tex., Fort Worth—Municipal Improvement—City, O. E. Carr, Mgr., receives bids July 20 for \$1,170,000 4½% bonds.*

Tex., Galveston—Municipal Improvement—City voted \$750,000 bonds; \$250,000, drainage; \$200,000, street paving; \$300,000, enlarging water and sewer systems; C. A. Holt, City Engr., 3806 P½ St.*

Tex., Hempstead—School Indebtedness—City voted \$15,000 Hempstead Independent School Dist. No. 1 bonds. Address Board of Trustees.*

Tex., Houston—Municipal Improvement—City, H. A. Giles, City Comptroller, plans issuing in July, \$900,000 bonds; \$350,000, paving; \$150,000, drainage; \$250,000, Turning Basin roadways; \$50,000, sanitary sewers; \$100,000, general improvement.

Tex., Houston—City, O. F. Holcombe, Mayor, receives bids Sept. 1 for \$1,500,000 bonds.

Tex., La Pryor—School—City voted \$36,000 bonds; Roy Cornett, Pres. School Board.

Tex., McAllen—Sewer—City, G. C. Seawell, Clk., advises: "No such election held or under way." Lately noted plans \$35,000 bond election.

Tex., Stanton—School—City voted \$40,000 bonds. Address City Clk.

Va., Martinsville—School—Henry County Court will call election Aug. 3 on \$170,000 bonds. Address Henry County School Board.

W. Va., Charleston—Road—Kanawha County, Washington Dist., voted \$61,000 bonds. Address County Commrs.*

W. Va., Lewisburg—Road—Greenbrier County, Anthony's Creek Dist., voted bonds. Address County Commrs.

W. Va., Welch—Paving—School voted \$75,000 bonds; L. A. Osborn, City Engr.*

Bond Issues Sold

Ala., Anniston—Improvement—City, W. T. Morton, Jr., Treas., sold \$45,000 5½% bonds to Ward, Sterne & Co., Birmingham, at \$45.495 and accrued interest.*

Ala., Huntsville—Paving—City, Fraser L. Adams sold \$224,000 6% bonds to Caldwell & Co., Nashville, Tenn., at 101 and accrued interest.*

Ala., Laverne—Refunding—City sold \$11,000 6% bonds to Caldwell & Co., Nashville, at 90.

Ark., Bentonville—Paving—City Commrs. sold \$75,500, 5½% Bentonville Paving Dist. No. 1 bonds to E. C. Pickens and D. W. Peel, Jr., Bentonville, at par and expenses.

Ark., Moxie—Street—City sold \$25,000 bonds to M. W. Elkins & Co., Little Rock.

Fla., DeLand—Water Works, Sewer—Bond Trustees sold \$260,000 6% \$1000 denom. bonds to Branch-Middlekauff Co., Wichita, Kansas, at \$261,100.*

Fla., Eustis—Street Improvement Assessment—City sold \$45,000 6% bonds to Citizens Bank of Eustis at par.

Fla., Lake Worth—Municipal—City, Vice Mayor Boutwell, sold about \$200,000 bonds to Brandon, Gordon & Waddell, New York.

Fla., Miami—Harbor—City, E. C. Romfh, Mayor, sold \$1,105,000 4½% bonds to B. J. Van Ingen & Co., 46 Cedar St., New York, at par.

Fla., Punta Gorda—Road—Charlotte County Commrs. sold \$1,850,000 bonds to Marks & Co., Birmingham, Ala., at par and accrued interest.

Fla., St. Augustine—Road, Bridge—St. Johns County Commrs., Obe P. Goode, Clk. of Court, sold \$500,000 5% bonds to Braun, Bosworth & Co. and W. H. Slayton & Co., Toledo, Ohio, at \$485,759 and accrued interest.*

Fla., West Palm Beach—Special Assessment—City, H. J. Daugherty, Clk., sold \$1,540,000 5% bonds to Wright, Warlow Co., Orlando, at 95.47 cents on dollar.*

Fla., Wewahatcha—Courthouse—Gulf

(Continued on page 112)

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

We Buy Bonds
City, County, School and Road from
Municipalities and Contractors
WRITE
THE PROVIDENT SAVINGS BANK & TRUST CO.
CINCINNATI OHIO

Wright, Warlow & Co.
Municipal and Corporation Bonds
Specializing in the preparation of legal proceedings
for municipal bond issues
Fifth Floor State Bank Bldg.
Tampa ORLANDO FLORIDA St. Petersburg

Municipal Bonds

Inquiries invited from municipalities and contractors.
We buy city, county, district, school, road, lighting, water
works and other municipal issues.

A.C. ALLYN AND COMPANY

67 W. Monroe St., Chicago, Ill.
New York Boston Philadelphia Milwaukee Minneapolis San Francisco

We Buy and Sell

**MUNICIPAL BONDS AND NOTES
CORPORATE PREFERRED
STOCK and BOND ISSUES**

See Us on Southern Financing

R. S. DICKSON & CO., Gastonia, N. C.
New York Greenville, S. C. Goldsboro, N. C.

SOUTHERN TEXTILE SECURITIES

A. M. LAW & COMPANY

Established 1892
Spartanburg, S. C.

REAL ESTATE MORTGAGE BONDS

We are interested in the purchase of first mortgage
bond issues covering business property, hotels, apartment
houses, etc., in amounts of \$50,000 and upwards. Entire
issues city, county and district bonds purchased.

MARX AND CO.

Brown-Marx Bldg. Birmingham, Ala.

WE BUY MUNICIPAL BONDS

We are interested in the purchase of
Southern Municipals including road,
school, county, drainage and levee bonds.

M. W. ELKINS & CO.

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Underwriters and Distributors of
Municipal and Corporation Bonds
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CLEVELAND

New York Chicago Detroit Cincinnati Denver
Columbus Toledo Akron Colorado Springs

The Power To Do In "Dixie"

THE South's expansion in hydro-
electric facilities in 1925 was
greater than that of any other
section of the United States.

Of its four million potential horse
power, nearly one-half has now been
developed to meet the demands of this
section. The South not only has the
raw materials, but it has the fuel and
power resources with which to turn
them into finished products.

It has the banking facilities, further-
more, to meet its development needs.
Capital drawn from an extensive terri-
tory through Caldwell offices in princi-
pal financial centers is available in
ample amount for financing growing
Southern corporations.

Our Corporation Department offers
a helpful advisory service and is in a
position to make valuable suggestions
regarding financing.

*All communications should be ad-
dressed to Corporation Department.*

"We Bank on The South"

CALDWELL & COMPANY

INVESTMENT SECURITIES

400 Union Street Nashville, Tennessee

Offices in Principal Cities

FINANCIAL NEWS

(Continued from page 110)

County Commrs., J. J. McDaniel, Chmn., sold \$100,000, 6% bonds to American Exchange Bank of Apalachicola, \$99,175.*

Md., Towson—School—Baltimore County Commrs., John R. Haut, Ch. Clk., sold \$250,000 4½% bonds jointly to Continental Trust Co., Mackubin, Goodrich & Co., and Strother, Brogden & Co., all Baltimore, at \$265,245.*

Md., Westminster—Road—Carroll County Commrs. sold \$39,000 4½% \$1000 denom. bonds to John P. Baer & Co., 305 N. Charles St., Baltimore.

Miss., Port Gibson—Road—Clalborne County Board of Supvrs. sold \$18,500 bonds to A. K. Tigrett, Memphis, Tenn.

Mo., Clinton—School—City sold \$75,000 bonds to Commerce Trust Co., Kansas City.*

N. C., Elm City—School—Board of Trustees, Elm City Graded School Dist., Karl B. Bailey, Sec., sold \$40,000 4½% bonds to Weil, Roth & Irving Co., Cincinnati, Ohio, at premium of \$50.*

Okla., Sand Springs—Sewer—City Coma. sold \$187,000 bonds to C. Edgar Honnald, Oklahoma City, at premium of \$9000 and accrued interest.

Tenn., Lewisburg—Refunding—City Commrs. sold \$28,000 5% bonds to American National Co., Nashville, at premium of \$15.

Tex., Brownsville—School—Board of Trustees, Independent School Dist., S. C. Tucker, Pres., sold \$100,000 5% bonds to A. C. Allyn & Co., Chicago, Ill., at 1.02 and accrued interest.*

Tex., Tahoka—School—City sold \$100,000 bonds to Robert H. King for Central Trust Co., San Antonio, at premium of \$1025 and accrued interest.

Building and Loan Associations

Ky., Louisville—Lincoln Building & Loan Assn., 125 S. Fifth St., plans increasing capital, \$4,000,000 to \$5,000,000.

La., Baton Rouge—Capital Building & Loan Assn., J. H. Percy, Pres., 525 North St., plans increasing capital, \$5,000,000 to \$10,000,000.

Tenn., Knoxville—Volunteer Building & Loan Assn., capital \$1,000,000, incorporated; D. A. Griffin, John E. Dupes.

New Financial Corporations

Ala., Tuscaloosa—Alabama State Savings & Loan Co., Inc., E. Ashley, Sec., plans increasing capital, \$500,000 to \$5,000,000.

Ga., Adel—Farmers and Merchants Bank of Adel organized; W. R. Wells, Pres.; H. L. Kennon, Cashier.

Ga., Waycross—Lott Investment Co., capital \$100,000, incorporated; Dan Lott, H. H. Burnett.

Ky., Louisville—Title Guaranty & Trust Co., capital \$300,000, incorporated; Theodore Ahrens, 1704 S. Third St.

La., New Orleans—Greater New Orleans Investment Co., Inc., capital \$100,000, incorporated; G. W. Testard, Pres., 1324 Arabella St.

La., New Orleans—International Securities Corp., Inc., capital \$100,000, incorporated; Chas. J. Axonam, Pres., 121 S. Solomon St.

La., New Orleans—New Orleans Securities, Inc., capital \$300,000, incorporated; G. O. Vincent, Pres., 222 Carondelet St.

Miss., Gulfport—Price-Green Investment Co., capital \$200,000, organized; K. G. Price, McComb; W. G. Green.

Miss., Jackson—Metropolitan Mortgage Bond & Trust Co., Mississippi Fire Bldg., capital \$50,000, chartered; N. L. Carpenter, Pres., New Orleans, La.

Mo., Maplewood—Citizens National Bank of Maplewood, capital \$100,000, chartered; Jul. R. Holekamp, Pres.; R. F. Townsend, Cashier; conversion of Citizens Bank of Maplewood.

Mo., St. Louis—Mound City Securities Co., capital \$10,000, incorporated; J. F. Perkins, Royal L. Coburn.

Mo., Springfield—Citizens Investment Co. of Springfield, capital \$25,000, incorporated; Tom Watkins, 1415 Robberson Ave.

Tenn., Memphis—Exchange Bank & Trust Co., Chas. W. Thompson, Pres., 28 S. Idlewild St., merged with Fidelity Bank & Trust Co., J. D. McDowell, Pres., as Fidelity Bank & Trust Co., \$7,500,000 resources; John D. McDowell, Pres., 1928 Higbee St.

Tex., Dallas—Motor Merchants Corp., capital \$500,000, incorporated; E. Gordon Perry, 4515 Rawlins St.; Frank Wozencraft.

Tex., Dallas—Dallas Investment Co., capital \$100,000, chartered; G. G. Wright, Mercantile Bank Bldg.

Tex., Dallas—Howard Investment Co., capital \$50,000, chartered; R. E. L. Sauer, 4625 Bryan St.

Tex., Lockhart—First National Bank, W. B. Swearingen, Pres., plans increasing capital, \$100,000 to \$200,000.

Farmers Exchange Bank, John H. Welch, Pres., Nicholasville, Ky., purchased Citizens Bank of Jessamine.

Mechanics Savings Bank, Savannah, Ga., plans establishing branch bank on Sherman St., Fitzgerald, Ga.; Walter Seward, Chmn. Board of Directors.

Facts About Helical Gears.

Helical gears are described in a leaflet issued by the De Laval Steam Turbine Company, Trenton, N. J. Standard-speed motors are less expensive than special motors, and more efficient than slow-speed motors. In the case of induction motors they also have a higher power factor. The saving on the cost of a special motor helps pay for the speed converter, while the saving of power due to higher motor efficiency usually exceeds the loss in friction in the speed reducer. This is particularly true if the latter consists of helical gears, which have efficiencies in excess of 98 per cent. Helical gears are used for ratios up to approximately six to one, worm reduction gears being used for larger ratios. Helical gears are said to be noiseless and smooth-running.

PROPOSALS

(Additional proposals on pages 116-121)

Bids close July 30, 1926.

\$283,000 6% Improvement Bonds

Notice is hereby given that up to and until 7.30 o'clock P. M. on the 30th day of July, A. D. 1926, sealed proposals will be received by the City Commission of the City of Winter Park at the City Hall at Winter Park, Florida, for the purchase of Two Hundred and Eighty-three Thousand Dollars City of Winter Park Improvement Bonds, said bonds being general obligations of said city, authorized by a resolution of the City Commission of the City of Winter Park, duly adopted on the 22d day of June, A. D. 1926, pursuant to Chapter 9298, Laws of Florida, 1923, and Chapter 11325, Laws of Florida, 1925, said bonds to bear interest at the rate of six per cent (6%) per annum and to be dated July 1, 1926, interest payable semi-annually on July 1 and January 1 of each year, both principal and interest being payable at the National Bank of Commerce in the City of New York, State of New York, said bonds being of the denomination of One Thousand Dollars each and maturing as follows:

Bonds numbered from 1 to 28, inclusive, January 1, 1928.

Bonds numbered from 29 to 56, inclusive, January 1, 1929.

Bonds numbered from 57 to 84, inclusive, January 1, 1930.

Bonds numbered from 85 to 112, inclusive, January 1, 1931.

Bonds numbered from 113 to 140, inclusive, January 1, 1932.

Bonds numbered from 141 to 168, inclusive, January 1, 1933.

Bonds numbered from 169 to 196, inclusive, January 1, 1934.

Bonds numbered from 197 to 224, inclusive, January 1, 1935.

Bonds numbered from 225 to 252, inclusive, January 1, 1936.

Bonds numbered from 253 to 283, inclusive, January 1, 1937.

The full faith and credit of the City of Winter Park is irrevocably pledged for the payment of the principal and interest of said bonds.

This authorized issue of bonds to be sold subject to the approving opinion of Messrs. Caldwell & Raymond, Attorneys, to be furnished by the City of Winter Park to the purchaser thereof.

All bids must be accompanied by a certified check for two per cent (2%) of the amount of the bonds to be sold.

Bids may be submitted in the alternative as to rate of interest bonds are to bear, the alternative bid to be based on a rate of interest less than six per cent. AMOUNTS BID FOR SAID BONDS MUST BE STATED IN DOLLARS AND CENTS.

The City Commission of the City of Winter Park reserves the right to reject any and all bids.

By order of the City Commission of the City of Winter Park.

Dated this 6th day of July, A. D. 1926.

(Seal)

E. F. BELLOWS,
City Clerk of the City of Winter Park.

How the Railroads Spend Their Money.

The Committee on Public Relations of the Eastern Railroads, Robert S. Binkerd, vice-chairman, 143 Liberty street, New York, has published a folder showing where freight rates and passenger fares go in the operation of the railroads. The data for the publication was furnished by the Bureau of Railway Economics, Washington, D. C., being taken from the official reports of the companies to the Interstate Commerce Commission for 1924, the latest year for which complete information is available.

School-building bonds in the amount of \$300,000, a portion of a \$500,000 issue recently authorized, have been sold by the city of Columbia, S. C., to C. W. McNear & Co. of Chicago at \$302,310.

Plans \$1,000,000 Theater and Sunken Garden.

St. Petersburg, Fla.—A site for the construction of Italian sunken gardens and an open-air theater here has been leased by N. J. Burnside of New York from Roy S. Hanna of this city. It is stated that the project, which will involve approximately \$1,000,000, will be financed by a profit-sharing corporation to be organized. The theater will seat 3000, and will be equipped, it is stated, for presenting metropolitan stage production and operas during the winter, while screen productions will be shown in the summer. The garden, surrounded by a 12-foot wall and promenade, will cover the entire property, 200 by 200 feet. It will contain a Venetian pool and other facilities.

The city of Marietta, Ga., W. C. Carriker, chairman of the water and light board, plans to increase its water supply by drilling four wells to an approximate depth of 600 feet.

Older than the United States

THE Bank of New York, now the Bank of New York and Trust Company, was organized by Alexander Hamilton in 1784, and was well started in business when the Constitution of the United States was adopted. The first loan to the new United States Government was made in 1789 by the Bank of New York.

In 1791 we received the first Banking Charter ever granted by the Legislature of the State of New York.

Older than the banking systems of our country, even older than the United States, our company continues to give sound banking counsel and up-to-date service to its clients. We offer complete banking facilities to banks, companies and individuals interested in domestic or foreign business.



Bank of New York & Trust Company

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Manufacturing Bank Stationers

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OSCAR T. SMITH
President

Does Your Banking Connection

meet all of your
business requirements?

Write us.

*We invite your inspection of our modern,
burglar-proof and fireproof Safety Deposit
Vaults, which may be rented at small cost.*

BALTIMORE COMMERCIAL BANK

GWYNN CROWTHER, President

26 South Street, Baltimore, Md.

Capital and Surplus \$1,350,000.00 Member Federal Reserve System

JOHN NUVEEN & CO.

First National Bank Building

CHICAGO

We purchase SCHOOL, COUNTY and MUNICIPAL
BONDS. Southern Municipal Bonds a Specialty.

Write us if you have bonds for sale

MARYLAND TRUST COMPANY

BALTIMORE

Transacts a General Trust and Banking Business

Correspondence and interviews invited

CAPITAL, \$1,000,000

HAVE YOU BONDS FOR SALE?

WE BUY ALL CLASSES OF MUNICIPAL BONDS,
INCLUDING CITY, COUNTY, SCHOOL,
PAVING, ROAD AND DRAINAGE

The Hanchett Bond Co. Inc.

39 SOUTH LA SALLE ST., CHICAGO

FOURTH NATIONAL BANK

MACON, GA.

In close touch with all of Georgia, offers
its aid to those interested in that State.

Plans for \$500,000 Store and Office Building.

Austin, Texas.—The erection of a \$500,000 office and store building at 8th street and Congress avenue in this city has been undertaken by Ernest Nalle and associates. The structure will be fireproof, 100 by 138 feet, 10 stories and basement, and will contain approximately 210 offices in addition to the store space. Endress & Cato of Houston are the architects.

Theater and Hotel to Cost \$390,000.

Discussing his plans for the erection of a theater and hotel at Lakeland, Fla., J. E. Melton of that city advises the MANUFACTURERS RECORD that the proposed theater will cost \$240,000, and that a hotel to be erected on the same lot and adjoining the theater will cost \$150,000. The hotel will be seven stories high, while the theater will have a seating capacity of 1800. The buildings will be of reinforced concrete and stucco, probably with tile front. Aside from the hotel lobby, there will be stores and offices on the ground floor. James E. Casale of Tampa is the architect. The theater will be erected for the Famous Lasky-Players Corporation of New York and the hotel will be leased.

\$1,000,000 in Improvements to Dam.

Austin, Texas, July 10—[Special.]—After several months of negotiation the Texas Power and Light Company of Dallas has entered into a contract with the city of Austin for taking over and rehabilitating the dam across the Colorado River here and supplying the city with lights and power. An ordinance adopted by the City Commission provides for the completion of the dam, according to plans drawn by the Texas Power and Light Company, at a minimum expenditure of \$250,000 for labor and materials, for the operation of the city steam plant as a unit of the Texas Power and Light system, and for power service to the city at rates which will result in an annual saving of \$57,000 for the next five years.

The rehabilitation of the dam will cost more than \$1,000,000. If the ordinance is ratified by a majority of the voters on July 31 the company will have two months in which to begin work.

Hay Growers and Dealers May Bid on Army Contracts.

Many hay dealers and hay producers do not know they can bid on any part of contracts to furnish hay to the United States Army, which uses between 7000 and 8000 cars of hay annually, says the Department of Agriculture. The hay is bought on contracts which usually cover the supply for a given section for a three-month period, and which are let always to the lowest reliable bidder. Most of the hay heretofore has been supplied by large contractors who gather the product from producers and small dealers. The small dealer usually is unwilling to bid on these contracts, but should he do so, the department points out, he could often obtain a larger profit than with present methods.

Many dealers and growers do not understand that they can bid on any part of the contract. Should their bid be the lowest they will be awarded a contract for the quantity on which they have bid, states the department, and the remainder will be contracted with the next lowest bidder.

Pasquotank County Commissioners, Elizabeth, N. C., have engaged Rudolph, Cooke & Van Leeuwen, Norfolk, Va., to prepare plans for a \$500,000 courthouse and also to remodel the present structure, building work to be contingent upon the outcome of a proposition to issue bonds to meet construction costs.

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To express these factors properly it is necessary to employ specialists.

This organization has given every detail of these questions a life time of study:—it has the plant, organization and experience to meet every practical requirement. It is also able to aid you in the artistic details which will insure an impressive illustration of confidence, security and beauty.

A business founded and directed by owner management since 1884, this organization has built up a list of clients which forcefully proclaims the satisfactory and successful service which we offer you in the production of bond and stock certificates.

SECURITY BANK NOTE COMPANY

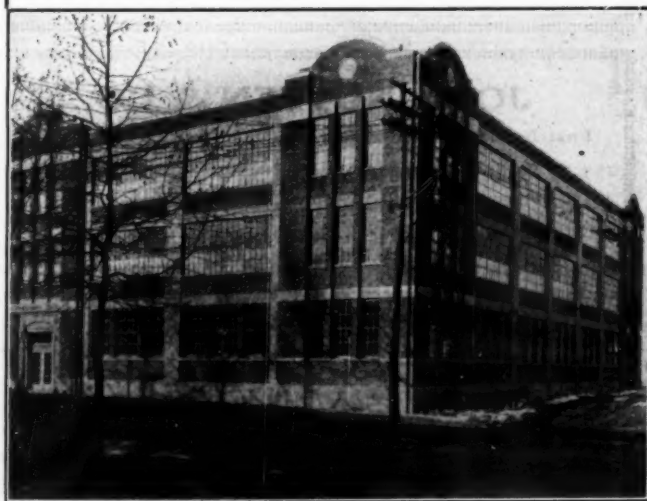
55th below CHESTNUT

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NEW YORK OFFICE

1803 COMMERCIAL CABLE BUILDING, 20 BROAD STREET
NEW YORK CITY



YORK

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Bank of The Manhattan Company
Bank of New York and Trust Company
Bowery Savings Bank
Brooklyn Trust Company
Central Union Trust Company
Chase National Bank
Chatham & Phenix National Bank & Trust Company

Corn Exchange Bank
Dollar Savings Bank
Empire Safe Deposit Company
Equitable Trust Company
Farmers Loan & Trust Company
Federal Reserve Bank
Fidelity International Trust Company
First National Bank
Guaranty Trust Company

Irving Bank-Columbia Trust Company
Italian Savings Bank
Mechanics & Metals National Bank
New York Clearing House
New York Stock Exchange Safe Deposit Company
Seamen's Bank for Savings
Title Guarantee & Trust Company
United States Trust Company

BOSTON

Boston Five Cents Savings Bank
Citizens National Bank
Federal Reserve Bank
First National Bank

Hyde Park Savings Bank
National Shawmut Bank
National Union Bank
New England Trust Co.

Old Colony Trust Co.
Provident Institution for Savings
Suffolk Savings Bank
Warren Institution for Savings

PHILADELPHIA

Bankers Bond & Mortgage Company
Bell Telephone Building
Beneficial Savings Fund Society
Broad Street National Bank
Brown Brothers Company
City Treasurer

Columbia Avenue Trust Company
Corn Exchange Nat'l Bank—Central City Office
Fern Rock Trust Company
First National Bank—Centennial Branch
Gimbel Brothers
Manayunk National Bank

Mutual Trust Company, and Branches
National Bank of Germantown
Northern Central Trust Company
Savings Fund Society of Germantown
Sixth National Bank
West Philadelphia Title & Trust Company

STEEL vs. STEAL



BALTIMORE, MD.

Citizens National Bank
National Bank of Baltimore
Fidelity Trust Co.
Baltimore Commercial Bank
Calvert Bank

Mercantile Bank
Park Bank
Old Town National Bank
Chesapeake National Bank
Mutual Life Insurance Co.

WASHINGTON, D. C.

Riggs National Bank
American Security & Trust Co.
Munsey Trust Co.
Union Trust Co.

Chevy Chase Savings Bank
Farmers & Mechanics National Bank
International Exchange Bank
McLachlen Banking Corporation

PITTSBURGH

Federal Reserve Bank—Branch
West End Savings Bank & Trust Co.

Exchange National Bank

CLEVELAND

Federal Reserve Bank
Cleveland Trust Co.
Guardian Savings & Trust Co.
Guardian Trust Co.
Lake Erie Trust Co.
Ohio Mutual Savings & Loan Co.

Pearl Street Savings & Trust Co.
State Banking & Trust Co.
Union Trust Co.—Broadway Branch
United Banking & Trust Co.
United Market Square Co.
Washington Savings Bank

CHICAGO

Boulevard Bridge Bank (Wrigley Bldg.)
Federal Reserve Bank
Fidelity Trust & Savings Bank
First Trust & Savings Bank

Rogers Park National Bank
Southside Trust & Savings Bank
S. W. Strauss Building
Union Trust Company

DETROIT

Detroit Trust Co.
Federal Reserve Bank—Branch

Guardian Trust Co.
Peninsular State Bank
Security Trust Co.

SAN FRANCISCO

Anglo-California Trust Co.
Bank of Italy (and many of its branches)

Italian-American Bank
Mercantile Trust Co.

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Boston, Mass., 98 Sudbury St.
Chicago, Ill., 217 W. Monroe St.
Philadelphia, Pa., 1613 Chestnut St.

Seattle, Wash., 112 3rd Ave., South
St. Louis, Mo., 3rd and St. Charles Sts.
Cleveland, Ohio, 109 E. St. Clair St.
San Francisco, Cal., 216 Fremont St.
Pittsburgh, Pa., 427 7th Ave.

New Haven, Conn., 273 State St.
Houston, Texas, 1120 Main St.
Washington, D. C., 410 Bond Building
Winter Haven, Fla.

WE WOULD LIKE TO BE OF SERVICE TO YOU. WRITE US.



PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close July 23, 1926.

\$500,000 5½% Bridge Bonds

Palatka, Fla.

Sealed proposals will be received by the Board of Bond Trustees for Special Road and Bridge District Number Seven, of Putnam County, Florida, on July 23, 1926, at 12 o'clock noon, at the office of said Board of Bond Trustees, in Palatka, Florida, for the purchase of Five Hundred Thousand Dollars (\$500,000) Putnam County Memorial Bridge Bonds, of Putnam County, Florida (constituted by Chapter 9585 Special Laws of Florida, 1923, Special Road and Bridge District Number Seven, Putnam County, Florida). Said bonds will be in the denomination of One Thousand Dollars (\$1000) each, and will be dated July 1, 1926, and will mature as follows:

\$3,000	on July 1, 1929.
\$5,000	on July 1, 1930.
\$5,000	on July 1, 1931.
\$6,000	on July 1, 1932.
\$7,000	on July 1, 1933.
\$8,000	on July 1, 1934.
\$8,000	on July 1, 1935.
\$9,000	on July 1, 1936.
\$10,000	on July 1, 1937.
\$12,000	on July 1, 1938.
\$15,000	on July 1, 1939.
\$17,000	on July 1, 1940.
\$18,000	on July 1, 1941.
\$20,000	on July 1, 1942.
\$22,000	on July 1, 1943.
\$24,000	on July 1, 1944.
\$26,000	on July 1, 1945.
\$28,000	on July 1, 1946.
\$30,000	on July 1, 1947.
\$32,000	on July 1, 1948.
\$34,000	on July 1, 1949.
\$36,000	on July 1, 1950.
\$38,000	on July 1, 1951.
\$40,000	on July 1, 1952.
\$47,000	on July 1, 1953.

Bids will be received for the entire issue of bonds above described. Bids will also be received for said bonds in the following units, to wit:

UNIT NO. 1.

Bonds numbered from One (1) to Two Hundred Forty-three (243), both inclusive.

UNIT NO. 2.

Bonds numbered from Two Hundred Forty-four (244) to Five Hundred (500), both inclusive.

Any bidder may, by separate bid or bids, bid for the entire issue of said bonds and, or, may bid for bonds numbered from One (1) to Two Hundred Forty-three (243), both inclusive; and, or, may bid for bonds numbered from Two Hundred Forty-four (244) to Five Hundred (500), both inclusive.

Said bonds will bear interest at the rate of five and one-half per centum (5½%) per annum, payable semi-annually on the first day of January and July of each year; both principal and interest will be payable in gold coin of the United States of America of the present standard, weight and fineness, at Equitable Trust Company, in the City of New York, New York. Bonds will be coupon bonds with the privilege of registration as to principal.

The right is hereby reserved to accept the bid of any bidder for any of the above units of said bonds and to reject all other bids of said bidder; the right is also hereby reserved to reject any or all bids. Any bid not complying with the terms of this notice will be rejected.

In addition to the amount bid, the successful bidder must pay accrued interest at the rate borne by the bonds from the date of the bonds to the date of the payment of the purchase price.

All bidders are required to deposit certified checks, payable to the order of the Board of Bond Trustees for Special Road and Bridge District Number Seven of Putnam County, Florida, for two per centum (2%) of the par value of the amount of bonds bid for, drawn upon and certified by an incorporated Bank or Trust Company. Checks of unsuccessful bidders will be returned upon the award of the bonds. No interest will be allowed upon the amount of the check of a successful bidder, and such check will be retained to be

applied in part payment for the bonds, or to secure the Board of Bond Trustees against any loss resulting from the failure of the bidder to comply with the terms of his bid.

Proposals should be addressed to "J. W. Hart, Secretary of Board of Bond Trustees for Special Road and Bridge District Number Seven of Putnam County, Palatka, Florida," and enclosed in a sealed envelope marked on the outside "Proposal for Bridge Bonds."

The successful bidder will be furnished with the opinion of Messrs. Thomson, Wood & Hoffman, 1619 Equitable Building, 120 Broadway, New York City, New York, that said bonds are binding and legal obligations of Putnam County, Florida, constituted and created Special Road and Bridge District Number Seven of said county.

Said bonds have been validated by decree of the Circuit Court of the Eighth Judicial Circuit for Putnam County, Florida, and will bear the certificate of said Clerk, as authorized by law, as to the fact of such validation. The bonds will be certified by the Putnam National Bank of Palatka, Palatka, Florida, as to the genuineness of the signatures of the officials signing the same and the seal impressed thereon.

Prospectus and further information may be had from the undersigned.

By order of the Board of Bond Trustees for Special Road and Bridge District Number Seven of Putnam County, Florida.

Dated June 23, A. D. 1926.

J. W. HART, Secretary.

Bids close July 23, 1926.

\$1,250,000 5½% Highway Bonds

Palatka, Fla.

Sealed proposals will be received by the Board of Bond Trustees for Special Road and Bridge District Number Seven of Putnam County, Florida, on July 23, 1926, at 12 o'clock noon, at the office of said Board of Bond Trustees, in Palatka, Florida, for the purchase of One Million Two Hundred and Fifty Thousand Dollars (\$1,250,000) Putnam County Highway Bonds of Putnam County, Florida (constituted by Chapter 9585 Special Laws of Florida, 1923, Special Road and Bridge District Number Seven, Putnam County, Florida). Said bonds will be in the denomination of One Thousand Dollars (\$1000) each, and will be dated July 1, 1926, and will mature as follows:

\$6,000	on July 1, 1929.
\$12,000	on July 1, 1930.
\$15,000	on July 1, 1931.
\$17,000	on July 1, 1932.
\$18,000	on July 1, 1933.
\$20,000	on July 1, 1934.
\$22,000	on July 1, 1935.
\$23,000	on July 1, 1936.
\$24,000	on July 1, 1937.
\$26,000	on July 1, 1938.
\$27,000	on July 1, 1939.
\$28,000	on July 1, 1940.
\$30,000	on July 1, 1941.
\$32,000	on July 1, 1942.
\$34,000	on July 1, 1943.
\$37,000	on July 1, 1944.
\$40,000	on July 1, 1945.
\$43,000	on July 1, 1946.
\$46,000	on July 1, 1947.
\$49,000	on July 1, 1948.
\$52,000	on July 1, 1949.
\$55,000	on July 1, 1950.
\$58,000	on July 1, 1951.
\$62,000	on July 1, 1952.
\$66,000	on July 1, 1953.
\$70,000	on July 1, 1954.
\$74,000	on July 1, 1955.
\$81,000	on July 1, 1956.
\$86,000	on July 1, 1957.
\$97,000	on July 1, 1958.

Bids will be received for the entire issue of bonds above described. Bids will also be received for said bonds in the following units, to wit:

UNIT NO. 1.

Bonds numbered from One (1) to Three Hundred (300), both inclusive.

UNIT NO. 2.

Bonds numbered from Three Hundred One (301) to Five Hundred (500), both inclusive.

UNIT NO. 3.

Bonds numbered from Five Hundred One (501) to Seven Hundred Seventy-Six (776), both inclusive.

UNIT NO. 4.

Bonds numbered from Seven Hundred Seventy-Seven (777) to Nine Hundred Eighty-Six (986), both inclusive.

UNIT NO. 5.

Bonds numbered from Nine Hundred Eighty-Seven (987) to One Thousand Two Hundred and Fifty (1250), both inclusive.

Any bidder may, by separate bid or bids, bid for the entire issue of said bonds and, or, may bid for bonds numbered from One (1) to Three Hundred (300), both inclusive; and, or, may bid for bonds numbered from Three Hundred One (301) to Five Hundred (500), both inclusive; and, or, may bid for bonds numbered from Five Hundred One (501) to Seven Hundred Seventy-Six (776), both inclusive; and, or, may bid for bonds numbered Seven Hundred Seventy-Seven (777) to Nine Hundred Eighty-Six (986), both inclusive; and, or, may bid for bonds numbered from Nine Hundred Eighty-Seven (987) to One Thousand Two Hundred and Fifty (1250), both inclusive.

Said bonds will bear interest at the rate of five and one-half per centum (5½%) per annum, payable semi-annually on the first day of January and July of each year; both principal and interest will be payable in gold coin of the United States of America of the present standard, weight and fineness, at Hanover National Bank, in the City of New York, New York. Bonds will be coupon bonds with the privilege of registration as to principal.

The right is hereby reserved to accept the bid of any bidder for any of the above units of said bonds and to reject all other bids of said bidder; the right is also hereby reserved to reject any or all bids. Any bid not complying with the terms of this notice will be rejected.

In addition to the amount bid, the successful bidder must pay accrued interest at the rate borne by the bonds from the date of the bonds to the date of payment of the purchase price.

All bidders are required to deposit certified checks payable to the order of the Board of Bond Trustees for Special Road and Bridge District Number Seven of Putnam County, Florida, for two per centum (2%) of the par value of the amount of bonds bid for, drawn upon and certified by an incorporated Bank or Trust Company. Checks of unsuccessful bidders will be returned upon the award of the bonds. No interest will be allowed upon the amount of the check of a successful bidder and such check will be retained to be applied in part payment for the bonds, or to secure the Board of Bond Trustees against any loss resulting from the failure of the bidder to comply with the terms of his bid.

Proposals should be addressed to J. W. Hart, Secretary of Board of Bond Trustees, for Special Road and Bridge District Number Seven of Putnam County, Palatka, Florida, and enclosed in a sealed envelope marked on the outside "Proposal for Road Bonds."

The successful bidder will be furnished with the opinion of Messrs. Thomson, Wood & Hoffman, 1619 Equitable Building, 120 Broadway, New York City, New York, that said bonds are binding and legal obligations of Putnam County, Florida, constituted and created Special Road and Bridge District Number Seven of said county.

Said bonds have been validated by decree of the Circuit Court of the Eighth Judicial Circuit for Putnam County, Florida, and will bear the certificate of said Clerk, as authorized by law, as to the fact of such validation. The bonds will be certified by the Putnam National Bank of Palatka, Palatka, Florida, as to the genuineness of the signatures of the officials signing the same and the seal impressed thereon.

Prospectus and further information may be had from the undersigned.

By order of the Board of Bond Trustees for Special Road and Bridge District Number Seven of Putnam County, Florida.

Dated June 23, A. D. 1926.

J. W. HART, Secretary.

Bids close July 26, 1926.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 1, 1926.—SEALED PROPOSALS will be opened in this office at 3 P. M. July 26, 1926, for repairs to the heating system at the United States Post Office and Courthouse, San Antonio, Texas. Specifications may be obtained from the Custodian, U. S. Post Office and Courthouse, San Antonio, Texas, or from this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close July 20, 1926.

\$40,000 6% School Bonds

The Board of Public Instruction of Indian River County, Florida, will receive bids 11 o'clock A. M. July 20, 1926, for the purchase of \$40,000 of the Bonds of Special Tax School District No. 1 of said County. Bonds bear 6 per cent interest, payable semi-annually; are in denominations of \$1000, dated June 1, 1926, principal payable in 20 annual installments of \$2000, beginning June 1, 1929.

Address all inquiries and bids to the undersigned.

W. E. RIGGS
County Supt., Public Instruction,
Vero Beach, Fla.

Bids close August 3, 1926.

\$250,000 6% School Bonds

NOTICE FOR BIDS AND DISPOSAL OF BONDS IN ACCORDANCE WITH SECTION 1537 OF THE REVISED GENERAL STATUTES OF FLORIDA, AS AMENDED.

St. Augustine, Fla.

The Board of Public Instruction of St. Johns County, Florida, will receive bids for the purchase of Two Hundred Fifty Thousand (\$250,000) Dollars of bonds of Special Tax School District Number One of St. Johns County, Florida, at the office of the Superintendent of Public Instruction of St. Johns County, Florida, in St. Augustine, Florida, until 10 o'clock A. M. on Tuesday, August 3, A. D. 1926. Said bonds are dated June 1, A. D. 1926, of the denominations of One Thousand (\$1000) Dollars each, numbered One (1) to Two Hundred Fifty (250), both inclusive, payable as follows:

Bonds	Amount Due
1 to 35, inclusive,	\$35,000, 1929
36 to 70, inclusive,	35,000, 1932
71 to 105, inclusive,	35,000, 1935
106 to 140, inclusive,	35,000, 1940
141 to 175, inclusive,	35,000, 1945
176 to 210, inclusive,	35,000, 1950
211 to 250, inclusive,	40,000, 1955

Said bonds to bear interest at the rate of six (6%) per centum per annum, payable semi-annually on the first day of June and December of each and every year, both principal and interest to be payable at the First National Bank of St. Augustine, in St. Augustine, Florida, or the Chase National Bank of New York City, N. Y., at the option of the holder of said bonds; legality will be approved by Thomson, Wood & Hoffman, Attorneys and Counsellors at Law of New York City, New York, whose approving opinion will be furnished to the successful bidder.

Bidders will include in the bid that interest will be paid by the bidder from June 1, A. D. 1926, to date of delivery of said \$250,000 of Special Tax School District Number One bonds. Any and all bids may be rejected by the Board of Public Instruction of St. Johns County, Florida, if the said Board deem it to the interest of said Special Tax School District Number One of St. Johns County, Florida, so to do. The successful bidder will be required to print the bonds. Address all bids to Board of Public Instruction, St. Johns County, care of Robert B. Meserve, Superintendent of Public Instruction, St. Johns County, St. Augustine, Fla. Said Board of Public Instruction requires of all bidders that they give surety bond or certified check in the sum of One (1%) per cent of said bid, payable to the Board of Public Instruction, that the bidder will comply with the terms of the bid.

St. Augustine, Florida, July 2, A. D. 1926.

BOARD OF PUBLIC INSTRUCTION,

ST. JOHNS COUNTY, FLORIDA.

EVELYN HAMBLIN, Chairman.

N. J. ADAMS, Member.

W. W. ERWIN, Member.

Attest:

ROBERT B. MESERVE,

Superintendent of Public Instruction of
St. Johns County, Florida.

Bids close August 10, 1926.

\$30,000 5½% Improvement Bonds

\$1000 denomination, maturing July 1 each of years 1928 to 1935, and \$2000, years 1936 to 1946. Rate five and one-half (5½%) per cent. Sale August 10, 1926. Address

J. W. HOLLAND, Clerk,
Mt. Holly, North Carolina.

Bids close July 20, 1926.

Highway Construction

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building two sections of State Highway, as follows:

Montgomery County, Cont. M-72—One section of State Highway along the Seventh Street Pike through Silver Spring for a distance of 0.4 mile. (Concrete.)

Baltimore City, Cont. BC-62—One section of State Highway along the Belair Road from Southern Avenue to Franklin Avenue for a distance of .48 mile. (Sheet asphalt.)

Will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 20th day of July, 1926, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 8th day of July, 1926.

JOHN N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Bids close July 20, 1926.

Street Improvements

Marianna, Fla.

Sealed bids will be received by the City Council of Marianna, Florida, at the office of City Clerk until 12 M. July 20, 1926, and at that time publicly opened, for certain street paving, storm and sanitary sewers and incidentals pertaining thereto, the same being described in ordinance of the City of Marianna adopted October 20, 1925, and bonds issued under an election held 24th day of November, 1925.

The principal items of work are approximately as follows:

43,000 Sq. Yds. of concrete asphalt or Warrenite bitulthic paving.

9,000 Lin. Ft. storm sewers 15 in. to 42 in. in size.

14,000 Lin. Ft. sanitary sewers 4 in. to 8 in. in size.

Plans and specifications are on file in the office of the City Engineers at Marianna, Fla., and in the office of the Consulting Engineers, Birmingham, Alabama. Specifications and proposal blanks can be secured on deposit of \$5 from the undersigned or from the Consulting Engineers. Copy of the plans will be mailed by the Consulting Engineers on receipt of payment (not deposit) of \$10.

The right to reject any or all bids is reserved.

Cash or certified check or proposal bond for \$5000, made payable to the City of Marianna, Florida, must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

C. N. HORNE, Mayor.

MARIANNA LANDSCAPE &

ENGINEERING CO.,

City Engineers.

ROBERT L. TOTTE, INC.,

Consulting Engineers,

Birmingham, Ala.

Bids close August 6, 1926.

\$500,000 6% Bonds

FORT PIERCE INLET DISTRICT.

Fort Pierce, Fla.

Sealed bids will be opened at 2 o'clock P. M. on August 6, 1926, for 500 \$1000 coupon bonds of Fort Pierce Inlet District, bearing 6 per cent semi-annual interest. Bonds mature serially from 1 to 30 years. Approving opinion by Thomson, Wood & Hoffman of New York City.

Write to E. L. Price, Chairman, Fort Pierce, Fla., for full information.

Bids close July 20, 1926.

Street Improvements

Marianna, Fla.

Sealed bids will be received by the City of Marianna, Fla., at the office of the City Clerk until 12 M. July 20, 1926, and at that time publicly opened, for the award of contract for the construction of street paving, storm and sanitary sewers and incidentals pertaining thereto.

The same being authorized by an ordinance of October 20, 1925, and election held on November 24, 1925.

The principal items of work are approximately as follows:

43,400 square yards of either one-course concrete, sheet asphalt, asphaltic concrete or Warrenite Bitulthic Pavement.

23,850 cubic yards excavation.

40,800 lineal feet of combined curb and gutter.

9000 lineal feet of storm sewer.

14,000 lineal feet of sanitary sewer.

Plans and specifications are on file in the office of the City Clerk and the City Engineers, Marianna, Florida, and in the office of Robert L. Totten, Inc., Consulting Engineers, Birmingham, Alabama. Specifications and proposal blanks can be secured without deposit from any of the above. Copies of the plans will be mailed by the Consulting Engineers on receipt of payment, not deposit, of \$10.

The right to reject any or all bids is reserved.

Cash or certified check or proposal bond for \$5000, made payable to the City of Marianna, must accompany each bid as evidence of good faith, and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

CLAUD DAVIS, City Clerk.

Bids close July 21, 1926.

Street Improvements

DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

Baltimore, Md., July 7, 1926.

Separate Sealed Proposals, executed in duplicate, addressed to the Board of Awards, care of the City Register, will be received by him in his office until 11 A. M. Wednesday, July 21, 1926, to grade, curb and pave with Sheet Asphalt on concrete base and Cement Concrete the streets listed in Contracts Nos. 353 and 354.

Contract No. 353

Sheet Asphalt, 9920 square yards

Certified check \$750

Contract No. 354

Cement Concrete, 27,000 square yards

Certified check \$1400

Specifications and proposal sheets and all other information can be obtained at this office, Room 207½, City Hall. A charge of \$10 will be required for specifications covering each contract, which charge will not be refunded.

The Board of Awards reserves the right to reject any or all bids. A certified check of the bidder on a clearing-house bank, drawn to the order of the Mayor and City Council of Baltimore, to the amount as recited in the specifications must accompany each bid.

Bond in the amount of the contract price will be required of the successful bidder.

STEUART PURCELL,

Highways Engineer.

Approved:

HOWARD W. JACKSON,

President Board of Awards.

Approved:

B. L. CROZIER,

Chief Engineer.

Approved:

JOSEPH PATTI, JR.,

Assistant City Solicitor.

Bids close July 27, 1926.

Street Paving

Franklin, Ky.

Sealed bids for Main Street Paving Improvements at Franklin, Kentucky, will be received by the Board of Council at the office of the Mayor until 1 P. M. July 27, 1926, at which time they will be publicly opened and read.

The work comprises grading, constructing concrete curb and gutters, resurfacing the existing macadam pavement for a foundation, constructing new macadam foundation where necessary and surfacing this foundation with Rock Asphalt mined in Kentucky.

Approximate quantities of principal items:

24,000 cu. yds. surface.

9,960 lin. ft. concrete curb and gutter.

4,250 lin. ft. concrete shoulders.

3,000 cu. yds. roadway excavation.

6,820 tons crushed rock rolled in place.

Plans and specifications may be examined at the office of the City Clerk at Franklin or at the office of the Engineers, or a copy may be obtained from the Engineers upon receipt of a deposit of ten dollars, of which amount five dollars will be refunded when the plans and specifications are returned in good condition. If further information is desired, address the Engineers.

The right is reserved to reject any or all bids and to waive informalities.

Each bid must be accompanied by a certified check drawn on a responsible bank or trust company and made payable to the City Treasurer, City of Franklin, Ky., for a sum not less than 1% of the bid. The successful bidder will be required to furnish performance bond and a five-year maintenance bond in the sum of 100% of the contract price.

The Contractor will be paid in cash on the completion of the work for that part of the work for which the city is liable; he will be paid in cash or bonds for the abutting property owners' part, as set out in the improvement ordinance.

P. E. LEWIS, Mayor.

KLYCE & HARRUB, Engineers,
506 Fourth & First National Bank Bldg.,
Nashville, Tennessee.

Bids close July 20, 1926.

Street Improvements

West Palm Beach, Fla.

Sealed bids will be received by the City Commission of the City of West Palm Beach, Florida, up to 12 noon on July 20, 1926, for furnishing all labor and material for the construction of improvements in certain streets, known as Paving Districts 6-B and 6-C, in accordance with the plans and specifications on file in the office of the City Manager of said city.

The amounts of the principal items of the work will be approximately as follows:

110,000 cu. yds. Grading.

910,900 sq. ft. Sidewalk.

156,200 sq. ft. Driveways.

146,000 lin. ft. Concrete Combined Curb

and Gutter.

485 Catch Basins.

312,700 sq. yds. Paving.

26,800 lin. ft. Sewers.

Bids must be accompanied by certified checks in the amount of \$50.00 on each section, made payable to the City of West Palm Beach, Florida, as a guarantee that within ten days from notice of awarding of contract the successful bidder will enter into a written contract with the city and furnish acceptable bond in the amount of one hundred per cent (100%) of the amount bid, conditioned upon the carrying out of said contract. Checks of unsuccessful bidders will be returned. Each bid must be sealed and addressed to the City Manager of the City of West Palm Beach, and shall be in the office of the City Clerk not later than 12 noon on the 29th day of June, 1926.

Each bidder will be required to submit, with his bid, statements of experience, equipment and financial responsibility on blank forms which will be furnished with the specifications.

Plans, specifications and blank proposals may be obtained at the office of the City Manager upon payment of a deposit of \$25 on each set, to be refunded upon receipt of bid or return of said plans and specifications. The City Commission reserves the right to reject any or all bids and to award the contract in the best interests of the City of West Palm Beach, Florida.

C. A. BINGHAM, City Manager.

H. J. DAUGHERTY, City Clerk.

T. B. HENRY, City Engineer.

Bids close August 2, 1926.

Water Mains and Appurtenances

Towson, Maryland, July 6, 1926.

Sealed Proposals, addressed to the County Commissioners of Baltimore County, and endorsed bids for the laying of water mains and appurtenances thereto, in "BELAIR ROAD, PHILADELPHIA ROAD AND LIBERTY HEIGHTS AVENUE," will be received at their office in the Courthouse, Towson, Maryland, until 11 A. M. Eastern Standard time, on August 2 next, when they will be publicly opened and read.

PROPOSAL No. 10-W.

200 lin. ft. earth excavation and refill for 6-inch pipe.

50 lin. ft. Class "A" rock excavation and earth refill for 6-inch pipe.

50 lin. ft. Class "B" rock excavation and earth refill for 6-inch pipe.

50 lin. ft. Class "C" rock excavation and earth refill for 6-inch pipe.

400 lin. ft. tunneling and rammed backfill at street crossings for 6-inch pipe.

70 lin. ft. earth excavation and refill for 8-inch pipe.

10 lin. ft. Class "A" rock excavation and earth refill for 8-inch pipe.

10 lin. ft. Class "B" rock excavation and earth refill for 8-inch pipe.

10 lin. ft. Class "C" rock excavation and earth refill for 8-inch pipe.

200 lin. ft. tunneling and rammed backfill at street crossing for 8-inch pipe.

30 lin. ft. earth excavation and refill for 10-inch pipe.

10 lin. ft. Class "A" rock excavation and earth refill for 10-inch pipe.

10 lin. ft. Class "B" rock excavation and earth refill for 10-inch pipe.

10 lin. ft. Class "C" rock excavation and earth refill for 10-inch pipe.

60 lin. ft. tunneling and rammed backfill at street crossing for 10-inch pipe.

10,150 lin. ft. earth excavation and refill for 12-inch pipe.

500 lin. ft. Class "A" rock excavation and earth refill for 12-inch pipe.

300 lin. ft. Class "B" rock excavation and earth refill for 12-inch pipe.

100 lin. ft. Class "C" rock excavation and earth refill for 12-inch pipe.

100 lin. ft. tunneling and rammed backfill at street crossings for 12-inch pipe.

11,600 lin. ft. earth excavation and refill for 16-inch pipe.

600 lin. ft. Class "A" rock excavation and earth refill for 16-inch pipe.

500 lin. ft. Class "B" rock excavation and earth refill for 16-inch pipe.

200 lin. ft. Class "C" rock excavation and earth refill for 16-inch pipe.

100 lin. ft. tunneling and rammed backfill at street crossings for 16-inch pipe.

150 lin. ft. earth excavation and refill for 20-inch pipe.

50 cu. yds. miscellaneous and test pit earth excavation and refill.

430 lin. ft. concrete repaving of roadway.

PROPOSAL No. 11-W.

750 lin. ft. laying 6-inch mains, valves, fittings, lead joints.

Alternate bid, leadite joints.

300 lin. ft. laying 8-inch mains, valves, fittings, lead joints.

Alternate bid, leadite joints.

120 lin. ft. laying 10-inch mains, valves, fittings, lead joints.

Alternate bid, leadite joints.

11,350 lin. ft. laying 12-inch mains, valves, fittings, lead joints.

Alternate bid, leadite joints.

13,000 lin. ft. laying 16-inch mains, valves, fittings, lead joints.

Alternate bid, leadite joints.

150 lin. ft. laying 20-inch mains, valves, fittings, lead joints.

Alternate bid, leadite joints.

27 each placing fire hydrants.

Each bid, excavating and laying, must be separately totaled and each accompanied by a certified check for Twenty-five Hundred (\$2500) Dollars, payable to the County Commissioners, as a guarantee that the successful bidder will sign the contract.

A bond for an amount equal to the amount of the bid of a surety company satisfactory to the Commissioners will be required of the successful bidder.

A copy of the Specifications, Plans and Drawings will be furnished prospective bid-

ders on receipt of a certified check for Twenty-five (\$25) Dollars, refund of which will only be made upon receipt of a bona fide bid and return of the specifications and drawings to the office of the Chief Engineer of the Baltimore County Metropolitan District within ten (10) days after opening of the bids and award of the contract. No specifications or drawings will be issued after Thursday, July 29, 1926. Specifications and drawings can be seen at the office of the Chief Engineer of the Baltimore County Metropolitan District, Towson, Md., after July 12, 1926.

Consideration will be given bidder's experience (must be stated in or attached to the bid), financial standing and reputation for having done successful work of the kind specified without controversy or litigation, and the Commissioners reserve the right to reject any or all proposals or bids, or parts of bids, or to accept any or all bids, or to separate bids for the excavation and refill from laying of the pipe and setting hydrants, or to waive technicalities as they may deem best for the interest of the county.

By order of the Board.

JOHN R. HAUT, Chief Clerk.

A. E. WALDEN, Chief Engineer.

Bids close July 20, 1926.

Sewers

West Palm Beach, Fla.

Sealed bids will be received by the City Commission of the City of West Palm Beach, Florida, up to 12 noon on July 20, 1926, for furnishing all labor and material for the construction of sewers in certain streets, known as Sewer District 10-A, in accordance with the plans and specifications on file in the office of the City Manager of said city.

The amounts of the principal items of the work will be approximately as follows:

124,000 linear feet 8-inch sewer.

1,800 linear feet 10-inch sewer.

1,900 linear feet 12-inch sewer.

39,900 linear feet 15-inch sewer.

17,000 linear feet 18-inch sewer.

8,500 linear feet 21-inch sewer.

8,400 linear feet 24-inch sewer.

5,700 linear feet 27-inch sewer.

1,700 linear feet 30-inch sewer.

2,200 linear feet 33-inch sewer.

1,900 linear feet 36-inch sewer.

350 linear feet 42-inch sewer.

800 linear feet 48-inch sewer.

1,400 linear feet 54-inch sewer.

5,300 linear feet 60-inch sewer.

400 linear feet 66-inch sewer.

2,100 linear feet 69-inch sewer.

2,100 linear feet 78-inch sewer.

97,000 linear feet 6-inch house con-

nections.

4,100 feet depth of manholes.

Bids must be accompanied by a certified check in the amount of two and one-half per cent (2½%) of the total amount of the bid, made payable to the City of West Palm Beach, Florida, as a guarantee that within ten days of notice of awarding of contract the successful bidder will enter into a written contract with the City and furnish acceptable bond in the amount of one hundred per cent (100%) of the amount of the contract, conditioned upon the carrying out of said contract. Checks of unsuccessful bidders will be returned. Each bid must be sealed and addressed to the City Manager of the City of West Palm Beach, Florida, and shall be in the office of the City Clerk not later than 12 noon on the 20th day of July, 1926.

Each bidder will be required to submit with his bid statements of experience, equipment and financial responsibility on blank forms, which will be furnished with the specifications.

Plans, specifications and blank proposals may be obtained at the office of the City Manager upon payment of a deposit of \$20, to be refunded upon receipt of bid or return of said plans and specifications in good condition within thirty days after bids are received.

The City Commission reserves the right to reject any or all bids and to make the award in the best interests of the City of West Palm Beach, Florida.

C. A. BINGHAM, City Manager.

H. J. DAUGHERTY, City Clerk.

T. B. HENRY, City Engineer.

Bids close August 3, 1926.

Water-Works Distribution System

Fort Lauderdale, Fla.

Sealed proposals for furnishing material and constructing a Water-Works Distribution System and Supply Mains for the City of Fort Lauderdale, Florida, will be received by the Mayor and Board of Commissioners at the City Manager's Office until 1 P. M. August 3, 1926.

The additions to be constructed will consist of approximately fifty (50) miles of 6-inch, 10-inch, 12-inch, 16-inch and 24-inch cast iron pipe, with specials, valves and hydrants, including flexible joint submerged pipe.

Each proposal must be accompanied by a certified check, payable to the City of Fort Lauderdale, Florida, to an amount equal to five (5) per cent of the bid as a guarantee that the contract will be entered into if awarded. Bidder's bonds will not be accepted. A bond in the full amount of the contract price will be required. Payments will be made in cash on monthly estimates.

Plans and specifications are on file in the office of the City Manager at Fort Lauderdale, Florida, and with Solomon, Norcross & Kreis, Consulting Engineers, Fort Lauderdale, Florida; 1404 Candler Building, Atlanta, Ga.

Bidders may obtain copies from the Engineers by enclosing certified check for twenty-five (\$25) dollars, payable to the City of Fort Lauderdale. If blueprints are desired they may be had at the cost of printing. If the plans, specifications and blueprints are returned within thirty days after opening bids the check for twenty-five dollars will be returned.

B. J. HORNE, City Manager.
SOLOMON, NORCROSS & KEIS,
Engineers.
Fort Lauderdale, Florida.
Atlanta, Ga.

Bids close July 20, 1926.

Paving and Sewers

Sealed proposals will be received by the Town of Perry, Florida, for furnishing materials, labor and equipment for the following types of pavement and necessary storm drains until 10 A. M. Tuesday, July 20, 1926, at which time they will be opened and publicly read.

Approximate quantities are as follows:

- 25,000 cu. yd. Regular Excavation.
- 40,000 lin. ft. Combined Cement Concrete Curb and Gutter.
- 2,000 lin. ft. Cement Concrete Gutter.
- 400 lin. ft. Cement Concrete Headers.
- 75,000 sq. yd. 8-in. Compacted Lime Rock Base Course.
- or 75,000 sq. yd. 4-in. Cement Concrete Base Course.
- with 75,000 sq. yd. 2-in. Asphaltic Concrete.
- or 75,000 sq. yd. 1 1/2-in. Sheet Asphalt with Flush Coat for Base.
- 75,000 sq. yd. 6-in. One Course Cement Concrete Paving with Integral Curb.
- 20 Manholes.
- 50 Storm Sewer Inlets.
- 4,800 lin. ft. 12-in. Storm Sewer.
- 2,600 lin. ft. 15-in. Storm Sewer.
- 4,400 lin. ft. 18-in. Storm Sewer.
- 600 lin. ft. 21-in. Storm Sewer.
- 1,600 lin. ft. 24-in. Storm Sewer.

Each proposal must be on the blank forms furnished by the Town of Perry and shall be accompanied by a certified check or bid bond issued through a local agency by a bonding company qualified to do business in the State of Florida, and made payable to the Town of Perry, Florida, for an amount equal to five (5) per cent of the total bid. Certified check or bid bond will be forfeited as liquidated damages if contract and bond are not executed within the time specified, if proposal is accepted, otherwise will be returned within ten days.

The right is reserved to reject any or all bids.

Plans and specifications may be seen at the office of the City Engineer, and specifications may be obtained upon the payment of \$5.00.

ALVA B. GROSS, City Engineer.
Perry, Fla., June 17, 1926.

Bids close July 26, 1926.

Sanitary Sewers and Appurtenances

Leetonia, Ohio.

Sealed proposals for the construction of Sanitary Sewers and appurtenances will be received by the Clerk of the Village of Leetonia, Ohio, at his office in the village hall until 12 o'clock noon, Central Standard time, July 26, 1926.

Charge for plans, \$10.

L. E. FISHER, Clerk.

Bids close July 26, 1926.

Sewers

Jenkintown, Pa., June 21, 1926.

Sealed bids will be received at the Borough Hall, Jenkintown, Pa., until 7 P. M. (Standard time) Monday, July 26, 1926, at which time they will be publicly opened and read, for constructing Sanitary and Storm Water Sewers, consisting of the following approximate quantities:

- 30,000 lineal feet 8-inch vitrified pipe Sanitary Sewer.
- 3,000 lineal feet 10-inch vitrified pipe Sanitary Sewer.
- 1,500 lineal feet 12-inch vitrified pipe Sanitary Sewer.
- 1,000 lineal feet 33-inch vitrified pipe Storm Sewer.
- 450 lineal feet 30-inch vitrified pipe Storm Sewer.
- 650 lineal feet 27-inch vitrified pipe Storm Sewer.
- 550 lineal feet 18-inch vitrified pipe Storm Sewer.
- 400 lineal feet 15-inch vitrified pipe Storm Sewer.
- 400 lineal feet 12-inch vitrified pipe Storm Sewer.
- 150 Manholes and Miscellaneous Appurtenances.

The work will be divided into two contracts. Contractors may bid upon one or both contracts.

Plans, specifications and bidding blanks may be obtained from Albright & Mebus, Civil Engineers, 1502 Locust street Philadelphia, Pa., upon deposit of \$10, which sum will be refunded upon the return of said plans and specifications to the Engineers in good condition.

Bids must be accompanied by a certified check amounting to not less than two (2) per cent of the total of bid tendered.

The Council reserves the right to reject any or all bids, and award the contract as it may deem to be the best interests of the borough.

By order of Council.

A. C. J. SCHABACKER,
Secretary.

Bids close August 18, 1926.

Sanitary Sewer System

Sealed proposals will be received by the City Council of the City of Winter Park, Florida, until 8 o'clock P. M. on the 18th day of August, 1926, at the City Hall, for the furnishing of materials and construction of a SANITARY SEWER SYSTEM, consisting of the following items, to wit:

- 8,365 Lin. Ft. 24-in. sewer pipe, 0-18 ft. cut.
- 1,874 Lin. Ft. 21-in. sewer pipe, 6 ft.-18 ft. cut.
- 3,337 Lin. Ft. 18-in. sewer pipe, 6 ft.-10 ft. cut.
- 570 Lin. Ft. 15-in. sewer pipe, 0-18 ft. cut.
- 760 Lin. Ft. 12-in. sewer pipe, 10 ft.-12 ft. cut.
- 3,475 Lin. Ft. 10-in. sewer pipe, 0-12 ft. cut.
- 20,480 Lin. Ft. 8-in. sewer pipe, 0-10 ft. cut.
- 250 Lin. Ft. 24-in. C. I. Pipe on piers.
- 120 Lin. Ft. 16-in. C. I. Pipe, inverted siphon, 12 ft. to 14 ft. cut.
- 5,700 Lin. Ft. 10-in. C. I. Pipe force mains, 0-4 ft. cut.
- 98 Standard Manholes, 0-18 ft. Vertical Height.
- 100 Vertical Feet Drop Manholes.
- 32 Flush Tanks, 5-in. Siphon.
- 3 Clean-out Boxes.
- 850 Lin. Ft. House Connections.
- 100 M. Ft. B. M. Lumber Foundation.
- 20 Cubic Yards Class "A" Concrete.
- 50 Cubic Yards Class "B" Concrete.
- 18,164 Sq. Yds. Sand-Filled Brick Pavement relaid.
- 9,000 Sq. Yds. Cement Grouted Brick Pavement relaid.

2 Sewage Pumping Stations complete.

1 Disposal Plant.

4 Centrifugal Pump Units.

Bids will be received on the whole or any section of the work.

Plans and specifications may be examined at the office of the Clerk at the City Hall, Winter Park, Fla., or at the office of the Engineer, in New Smyrna, Fla. Copies of the specifications may be obtained from the above places upon receipt of Five Dollars, which will be returned on a bona fide bid. Copies of the plans may be obtained upon receipt of Fifteen Dollars.

Each bidder must accompany bid with a certified check or bidder's bond for an amount not less than five per cent of the amount bid, drawn to the order of the City of Winter Park, Florida.

The right is reserved to reject any and all bids in whole or in part.

(Seal)
C. FRED WARD,
Mayor of City of Winter Park.
E. F. BELLWS,
Clerk.

N. A. HOTARD,
Engineer.

Bids close August 2, 1926.

Sewers and Appurtenances

Towson, Md., July 6, 1926.

Sealed Proposals addressed to the County Commissioners of Baltimore County and endorsed bids for the laying of Sewers and Appurtenances thereto, in "CATONSVILLE, PARKVILLE AND PIKESVILLE," will be received at their office in the Courthouse, Towson, Maryland, until 11 A. M. Eastern Standard time, on August 2, when they will be publicly opened and read.

PROPOSAL No. 8-S.

- 43,024 Lin. Ft. 8-inch T. C. Sewer.
- 2,237 Lin. Ft. 10-inch T. C. Sewer.
- 2,230 Lin. Ft. 12-inch T. C. Sewer.
- 1,130 Lin. Ft. replacing existing 10-inch with 12-inch T. C. Sewer.
- 18,000 Lin. Ft. 6-inch House Connections.
- 50 6x6 Y-branches.
- 1,500 8x6 Y-branches.
- 32 10x6 Y-branches.
- 101 12x6 Y-branches.
- 1,830 Lin. Ft. 6-inch C. I. Force Main.
- 2,042 Lin. Ft. 8-inch C. I. Force Main.
- 5,000 Lin. Ft. 4-inch Tile Underdrain.
- 1,000 Lin. Ft. 6-inch Tile Underdrain.
- 166 Manholes.
- 3,850 Cu. Yds. Rock Excavation.
- 1,600 Cu. Yds. Misc. and Test Pit Earth Excavation.
- 1,000 Cu. Yds. Earth Excavation and Refill below Subgrade.
- 1,000 Cu. Yds. Earth Excavation and Gravel Refill below Subgrade.
- 10,000 Sq. Ft. Concrete Sidewalk Repaving.
- 1,000 Lin. Ft. Earth Excavation in tunnel under State Roads.
- 1,000 Lin. Ft. Permanent Repaving, luminate concrete.
- 5,000 Lin. Ft. Permanent Repaving, macadam.

Each bid must be accompanied by a certified check for Thirty-five Hundred (\$3500) Dollars, payable to the County Commissioners, as a guarantee that the successful bidder will sign the contract.

A bond for an amount equal to the amount of the bid of a surety company satisfactory to the Commissioners will be required of the successful bidder.

A copy of the Specifications, Plans and Drawings will be furnished prospective bidders on receipt of a certified check for Twenty-five (\$25) Dollars, refund of which will only be made upon receipt of a bona fide bid and return of the specifications and drawings to the office of the Chief Engineer of the Baltimore County Metropolitan District within ten (10) days after opening of the bids and award of the contract. No specifications or drawings will be issued after Thursday, July 29, 1926. Specifications and drawings can be seen at the office of the Chief Engineer of the Baltimore County Metropolitan District, Towson, Md., after July 12, 1926.

Consideration will be given bidder's experience (must be stated in or attached to the bid), financial standing and reputation for having done successful work of the kind specified without controversy or litigation, and the Commissioners reserve the right to reject any or all proposals or bids, or to accept any proposals or bid, or to waive technicalities, as they may deem best for the interest of the county.

By order of the Board.

JOHN R. HAUT, Chief Clerk.
A. E. WALDEN, Chief Engineer.

Bids close July 24, 1926.

Dam Construction

DISTON ISLAND DRAINAGE DISTRICT. Moore Haven, Fla.

1. Sealed proposals for the construction of a FLASH-BOARD DAM located across an 80-foot canal at its entrance into Lake Hixpochee, two miles south of Moore Haven, Florida, will be received at the office of the Board of Supervisors of the Diston Island Drainage District, Moore Haven, Fla., until 3 o'clock P. M., Eastern Standard Time, of the 24th day of July, 1926, and then publicly opened and read.

2. Copies of the plans and specifications, proposal blank, form of bond and contract may be obtained by prospective bidders at the office of the Chief Engineer of the Diston Island Drainage District, Moore Haven, Fla., upon depositing a certified check for \$5, made payable to the Diston Island Drainage District, which sum will be returned within 10 days after the contract has been awarded, only to bidders who submit bona fide bids, if the plans are returned in good condition within that time.

The principal items of the contract are: 1 cofferdam across canal, 271 cubic yards of concrete, 4000 pounds of reinforcing steel, 18,000 pounds of iron work.

The Diston Island Drainage District reserves the right to reject any or all bids. The contract, if let, will be awarded to the lowest responsible bidder.

J. E. FRIERSON,
President of Board of Supervisors.
MYERS-RICHARDSON ENGINEERING
COMPANY,
Chief Engineers.

Bids close August 12, 1926.

Sewage-Treatment Plant

Fort Lauderdale, Fla.

Sealed proposals for the furnishing of materials and constructing a sewage-disposal plant will be received by the Mayor and Board of Commissioners of the City of Fort Lauderdale, Fla., at City Manager's Office, Fort Lauderdale, Fla., until 1 P. M., August 12, 1926, at which time all proposals will be publicly opened and read.

The work will consist of a three-million-gallon daily capacity sewage-treatment plant, including reinforced concrete, pre-sedimentation tanks, aeration tanks, sedimentation tanks, sludge tanks and power plant and equipment.

Each proposal must be accompanied by a certified check, payable to the City of Fort Lauderdale, Fla., in an amount equal to five (5) per cent of the bid as a guarantee that the contract will be entered into if awarded. A bond for one hundred (100) per cent of the contract price will be required. Payments will be made in cash on monthly estimates.

Plans and specifications are on file at the office of the City Manager, Fort Lauderdale, Fla., and with Solomon, Norcross & Keis, Consulting Engineers, Fort Lauderdale, Fla., and 1404 Candler Building, Atlanta, Ga.

Bidders may obtain copies of the specifications from the Consulting Engineers by enclosing certified check for twenty-five (\$25) dollars, payable to the City of Fort Lauderdale, Fla. Blueprints may be had at the cost of printing. If plans, specifications and blueprints are returned within thirty days after the opening of bids the check for twenty-five (\$25) dollars will be returned.

B. J. HORNE, City Manager.
SOLOMON, NORCROSS & KEIS,
Consulting Engineers,
Fort Lauderdale, Fla.;
Atlanta, Ga.

Bids close August 5, 1926.

Water-Treatment Plant and Pumping Stations

Fort Lauderdale, Fla.

Sealed proposals for furnishing materials and constructing a water-treatment plant and pumping stations will be received by the Mayor and Board of Commissioners of the City of Fort Lauderdale, Fla., at the City Manager's Office, Fort Lauderdale, Fla., until 1 P. M. Thursday, August 5, 1926, at which time they will be publicly opened and read.

The work will consist of a four (4) million gallon daily capacity softening and purification plant, including reinforced concrete mixing and subsidence basins, filters, chemical house and equipment, pumping equipment, three (3) million gal-

lon capacity clear well and low-service pumping stations.

Each proposal must be accompanied by a certified check, payable to the City of Fort Lauderdale, Fla., in an amount equal to five (5) per cent of the bid as a guarantee that the contract will be entered into if awarded. A bond for one hundred (100) per cent of the contract price will be required. Payments will be made in cash on monthly estimates.

Plans and specifications are on file at the office of the City Manager, Fort Lauderdale, Fla., and with Solomon, Norcross & Keis, Consulting Engineers, Fort Lauderdale, Fla., and 1404 Candler Building, Atlanta, Ga.

Bidders may obtain copies of the specifications from the Consulting Engineers by enclosing certified check for twenty-five (\$25) dollars, payable to the City of Fort Lauderdale, Fla. Blueprints may be had at the cost of printing. If plans, specifications and blueprints are returned within thirty days after opening bids the check for the twenty-five (\$25) dollars will be returned.

B. J. HORNE, City Manager.
SOLOMON, NORCROSS & KEIS,
Consulting Engineers,
Fort Lauderdale, Florida.
Atlanta, Ga.

Bids close August 10, 1926.

Sewage-Pumping Stations, Ejector Stations, Force Mains and Air Mains

Fort Lauderdale, Fla.

Sealed proposals for furnishing material and constructing three sewage pumping stations and five ejector stations, with force mains and air mains, for the City of Fort Lauderdale, Florida, will be received by the Mayor and Board of Commissioners at the City Manager's office until 1 o'clock P. M., August 10, 1926.

The pipe line to be constructed will consist of approximately six (6) miles of 4-inch, 6-inch, 10-inch, 12-inch, 16-inch, 20-inch and 24-inch cast-iron pipe, with specials, valves and hydrants, including flexible joint submerged pipe and approximately one (1) mile of 2½-inch and 2-inch galvanized iron pipe.

Each proposal must be accompanied by a certified check, payable to the City of Fort Lauderdale, Florida, to an amount equal to five (5%) per cent of the bid, as a guarantee that the contract will be entered into if awarded. Bidder's bonds will not be accepted. A bond in the full amount of the contract price will be required. Payments will be made in cash on monthly estimates.

Plans and specifications are on file in the office of the City Manager at Fort Lauderdale, Florida, and with Solomon, Norcross & Keis, Inc., Consulting Engineers, Granada avenue, Lauderdale-Mar, Fort Lauderdale, Florida, and 1404 Candler Building, Atlanta, Georgia.

Bidders may obtain copies from the Engineers by enclosing certified check for Twenty-five Dollars (\$25), payable to the City of Fort Lauderdale. If blueprints are desired they may be had at the cost of printing. If the plans, specifications and blueprints are returned within thirty days after opening bids, the check for twenty-five dollars will be returned.

B. J. HORNE, City Manager.
SOLOMON, NORCROSS & KEIS, INC.,
Engineers,
Fort Lauderdale, Fla.; Atlanta, Ga.

Bids close July 26, 1926.

Electric Generating Unit

Palmetto, Fla.

The City of Palmetto, Florida, will receive sealed proposals until 3 P. M. July 26, 1926, for purchasing or leasing a Diesel Engine Electric Generating Unit for street lights and other municipal purposes in the City of Palmetto.

The right is reserved to accept any bid or reject any or all bids as decided by the City Council.

All bids must be accompanied by certified check for 5 per cent of the amount of the bid.

Manufacturers of Diesel Engines and Electrical Machinery are invited to bid on their standard equipment nearest to that called for, and to state clearly all details so bids can be compared intelligently. All accessories furnished are to be itemized and state clearly whether included or extra, and in case of extras should be priced by item.

All prices, if not f. o. b. cars Palmetto, should be guaranteed freight to Palmetto, Florida.

If prices are not installed, the bidder

should include in his price or state how much extra for furnishing a man to superintend the installation.

All bids must state how soon shipment can be made after contract has been accepted.

The City of Palmetto wishes each manufacturer to state in their proposal the best terms the city will be allowed to pay for this equipment and at what rate of interest on the deferred payments.

The Equipment furnished must conform in general to the specifications issued herewith, including all items specified.

Bidders may secure copies of specifications from the City Clerk, Palmetto, Fla., upon payment of \$10, which will be refunded when specifications are returned in good condition.

F. K. WEBB,
Com. of Public Works.

Bids close July 21, 1926.

Furnishing and Delivering Cast- Iron Pipe and Fittings

BUREAU OF WATER SUPPLY.

Baltimore, Md.

Sealed proposals, in duplicate, endorsed "Proposals for Furnishing and Delivering Cast-Iron Pipe and Fittings to the Bureau of Water Supply, addressed to the Board of Awards of Baltimore City, will be received at the office of the City Register, City Hall, Baltimore, Maryland, until 11 A. M. Standard time, Wednesday, July 21, 1926, at which time they will be publicly opened and read.

Specifications and proposal forms may be obtained at the office of the Water Engineer, Room 205, City Hall, Baltimore, Md., on and after July 10, 1926. A charge of \$10 will be made for each set of specifications and will not be refunded.

All bids must be accompanied by a certified check of the bidder on a clearing-house bank for the sum of Five Thousand Dollars (\$5000), drawn to the order of the Mayor and City Council of Baltimore, and the successful bidder will be required to give satisfactory bond for the faithful performance of the agreement equal in amount to the value of the contract.

The Board of Awards reserves the right to reject any or all bids.

V. BERNARD SIEMS,
Water Engineer.
B. L. CROZIER,
Chief Engineer.

Bids close July 21, 1926.

Vocational-School Supplies

DEPARTMENT OF EDUCATION

OFFICE OF THE

BOARD OF SCHOOL COMMISSIONERS

MADISON AND LAFAYETTE AVENUES

Baltimore, July 7, 1926.

Separate Sealed Proposals endorsed:

"Supplies, etc., for Automobile Shops for Department of Education."

"Supplies, etc., for Pattern Shops for Department of Education."

"Supplies, etc., for Sheet-Metal Shops for Department of Education."

"Supplies, etc., for Plumbing Shops for Department of Education."

"Supplies, etc., for Wood Shops for Department of Education."

"Supplies, etc., for Machine Shops for Department of Education."

"Supplies, etc., for Electrical Shops for Department of Education."

"Supplies, etc., for Mechanical Drawing Rooms for Department of Education."

Addressed to the Board of Awards of Baltimore City will be received at the office of F. A. Dolfeld, Esq., City Register, City Hall, Baltimore, Md., until 11 o'clock A. M. Wednesday, July 21, 1926.

Specifications for the same may be obtained at the office of the Board of School Commissioners, corner Madison and Lafayette avenues.

Each bid must be accompanied by a certified check of the bidder for \$50, made payable to the Mayor and City Council of Baltimore, and drawn on a clearing-house bank.

The successful bidder will be required to give bond for the faithful performance of his contract in an amount equal to the contract price, and to comply with the City Charter respecting contracts.

The Board of Awards reserves the right to reject bids for any or all items.

JOHN H. ROCHE,
Secretary Board of School Commissioners.
Approved July 7, 1926.
HOWARD W. JACKSON,
President Board of Awards.

Bids close July 27, 1926.

Steel Cages for Jail

Stuart, Fla.

Sealed Proposals will be received by the Board of County Commissioners of Martin County, Florida, at the County Courthouse, Stuart, Florida, until 10 A. M. July 27, 1926, for the construction of steel cages for temporary County Jail.

Contractors are required to submit plans and specifications for the proposed work, to comply with the general plans on file in the office of the County Engineer, Stuart, Fla.

Certified check for two per cent of the amount bid is hereby required with each bid, and a bond for the contract price will be required of the successful bidder, such bond to be a bond with a reputable and responsible security company as surety and written by a company or companies having

as agents resident citizens of Martin County, Florida.

The Board of Commissioners reserves the right to reject any and all bids.

H. N. GAINES,
Chairman Board of County Commissioners.
E. H. GIBSON, County Engineer.

Bids close August 10, 1926.

Hydraulic Fill

Vero Beach, Fla.

Sealed bids will be received at the office of Carter & Damerow until 8 P. M. August 10, 1926, at which time they will be publicly opened, for one and one-quarter million cubic yards of marsh fill in Unit Number One of the Indian River County Mosquito Control District.

The Commissioners reserve the right to reject any or all bids.

Each bid must be accompanied by a certified check or a bidder's bond for the sum of

(Additional proposal on page 112)

fifteen thousand dollars (\$15,000), and the contractor must provide a construction bond for 100% of the amount of his bid.

All bids must be upon the blank forms provided in the proposal, specifications and contract form.

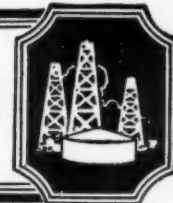
Plans, specifications and forms of contract and bond may be examined at the office of Carter & Damerow, Engineers for the Indian River County Mosquito Control District at Vero Beach, Fla., or set may be obtained from them by making a deposit of \$25, fifteen dollars of which will be refunded upon the return of the plans and specifications within fifteen days after the opening of the bids.

THE INDIAN RIVER MOSQUITO CONTROL BOARD.

By JOHN LeROY HUTCHISON,
Chairman.

Attest:

ALEX McWILLIAMS, Secretary.

**CLASSIFIED OPPORTUNITIES****MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES**

FOR SALE—Timber Land, Mill Properties, Cut-Over Timber Lands, Water Frontage for subdivision, located Gulf Coast. H. H. WEFEL, JR., Mobile, Alabama.

IRON AND COAL PROPERTY

FOR SALE.

Southern Iron and Coal Property. For particulars address No. 6603, care Manufacturers Record, Baltimore, Md.

BROWN STONE QUARRIES

FOR SALE TO SETTLE ESTATE—Brownstone Quarries and 125-acre farm located in York Co., Penna., near Penna. R. R. line, Harrisburg, Pa., to Washington, D. C. Entire tract underlaid with the very best brownstone. Copies of U. S. report and Penn. Geological Survey, with sample of stone, sent on request. Personal investigation solicited; land not needed for immediate quarry purpose is well adapted for fruit or general farming; reasonable price and terms for prompt purchase.

REEHLING ESTATE, Steelton, Pa.

FARM, FRUIT AND TRUCK LANDS**ALABAMA**

WONDERFUL OPPORTUNITIES, with unlimited possibilities, for investment on the Gulf Coast at Mobile. The land that steals your heart away. We have factory sites, textile mill, central business property, farms, orange and pecan groves, timber tracts, cutover land, waterfront property, homes and desirable building lots at very attractive prices and easy terms. Write us for information and literature. GULF COAST INVESTMENT COMPANY, INC., REALTORS, 32-34 N. Royal St., Battle House Bldg., Mobile, Ala.

FLORIDA

ACREAGE AND FARM LANDS in large or small quantity. Nothing too small for our consideration. Our service is valuable, backed up by reliability.

GOODWIN & BAKER REALTY CORPORATION,
Ft. Pierce, Florida.

FLORIDA INVESTMENTS MANATEE COUNTY.

The county that stands seventh in production of fruit and vegetables in the U. S. A solid foundation back of your investments—Farm Lands—Business Properties—Lots or Acreage for Subdivisions.

Full information on request—we can buy for you and we can resell for profit.

References: Bradenton Bank & Trust Co.
MANATEE LAND SALES CO.,
Bradenton, Fla.
St. Petersburg Office—560 First Ave. North.

RATES AND CONDITIONS

Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

FARM, FRUIT AND TRUCK LANDS**FLORIDA**

CARR & CARR, INC.,
WEST PALM BEACH, PALM BEACH,
LAKE WORTH.
References—Any bank or trust company in Palm Beach County.

TWENTY ACRES AND PLENTY.

Free book tells truth about Florida land; monthly payments \$1 an acre. Orange groves, planted, cared for, 10 per cent above cost.

SYLVESTER E. WILSON,
Dept. X, Orlando, Fla.

FLORIDA—The Land of Opportunity—more than \$15,250,000 in her State Treasury May 31 and no bonded indebtedness; no income or inheritance tax, ever; the "Playground of the Rich; Paradise of the Poor." Highest-priced crops produced in the Winter months. Send today for booklet and new list of Summer Farm and Grove Bargains. Tampa-West Coast Realty Co. (Inc.), Realtors, Opp. Post Office, "Since Before the War," Tampa, Florida.

NORTH CAROLINA

For Solid Conservative Investment
CHARLOTTE REAL ESTATE
is worthy of your attention. No boom. An all the year round business city on a solid, conservative foundation and steady, continual growth.

F. C. ABBOTT & COMPANY.
Nearly thirty years in Charlotte Real Estate and Investments.
CHARLOTTE, N. C.

FARM, FRUIT AND TRUCK LANDS**NORTH CAROLINA**

900 ACRES in Carolina's famous Peach Belt. Ideal Peach land; \$25 per acre.
Z. V. PATE, Owner,
Laurinburg, N. C.

3000 ACRES, part good farming land, adapted to growth of staple farm crops, balance very suitable for stock farm; \$20 per acre. Z. V. PATE, Owner, Laurinburg, N. C.

FOR SALE—Great Southern Plantation, 2308 acres; 1100 in cultivation; finest soil. Thirty Tenant Houses, 25 tenant families now living on place.

Big owner's house, barns, etc.; modern suction cotton gin; store at crossroads on farm.

Great hunting place. Lots of deer, turkey, quail, fox and other small game. Fine bass fishing in season.

A great bargain. Write owner.

PAUL ROBINSON,
Box 577, Roanoke Rapids, N. C.

TEXAS

E. B. WITMER, Realtor,
First National Bank Building,
Mercedes, Texas.
City Property, Farms, Citrus Groves.
Large Acreage, irrigated and unirrigated.

BUSINESS OPPORTUNITIES

BUSINESS EXECUTIVE wanted to manage office of fast growing construction company doing business all over the Southeast; party must invest some capital in business. Address P. O. Box 660, Pensacola, Fla.

INVENTOR of coin-controlled gasoline-vending pump wishes to form connection for its manufacture and sale. H. M. Walker, 331 State street, New Orleans, La.

FOR SALE—A WELL-EQUIPPED BAKERY at Georgetown, S. C. for sale at a reasonable price; fine opportunity for the right man. Write for particulars or come and inspect plant. W. D. MORGAN, Agent, Georgetown, S. C.

WANTED—A partner with small capital to take active interest in a Manufacturing Plant completely equipped for turning out a standard wood product for which there is ready sale to the jobbing trade. Pleasant location in southern mountain section. Address No. 6602, care Manufacturers Record.

WONDERFUL POSSIBILITIES in combination of scientific principals which I propose to use to take power from air, doing away with any kind of engine fuel altogether. Will give liberal interest to any party who will finance my project, which I am reasonably sure will deliver the goods. Address No. 6607, care Manufacturers Record.

BUSINESS OPPORTUNITIES

FOR SALE.

SHEET METAL BUSINESS.

Located in the best and growing coal field in West Virginia. Business is good; \$5000 to \$6000 worth of work on hand. Reason for selling, physical condition prevents my looking after same. Write
W. D. McCLEARY, Mgr.

WANT SOME ONE to finance a chain of six ice plants in small towns. Money secured by first mortgage. Will pay 6% interest and one-third of the net profits. Should net investor 15%. Will pay part of principal back each year.

BOX 533,
MIDDLESBORO, KY.

FOR SALE
MILFORD MILLS

Sixty-barrel water power flour and feed mill, with 38 acres highly cultivated land. Contains two dwellings and good bank barn. Long established mill, doing good business. Plenty water and in good grain section. One mile from depot, on main line Southern Railway and on state highway system; hard-surface road. Mill machinery in good condition. Opportunity for developing hydro-electric power in addition to operating mill. Very productive land, consisting of 12 acres good stand alfalfa, 11 acres corn, 6 acres wheat, balance in hay. Crops should make \$1000 net this year. Will sell at bargain price of \$15,000, including growing crops. Apply
B. LYNN ROBERTSON,
Manassas, Virginia.

FOR SALE—MANASSAS MILLS

Successful and active milling and feed mixing business, located in northern (Piedmont) Virginia, at the junction of the main line of the Southern Railway with the Harrisonburg Branch. In progressive growing town of 1500 people. Adjoins freight depot by platform, with space for 5 cars. All carload and less carload shipments loaded from mill door; good transit rates. Over 500,000 bushels wheat grown within radius of 35 miles; plenty corn. Mill building, brick; 100 feet by 40, three stories high, with concrete basement under all. Adjoining warehouse 60 by 40 feet and three steel storage tanks. Capacity flour mill, 125 barrels; meal, 300 bushels, and mixing plant, 100 tons per 24 hours. Nordyke and Marmon machinery, in first-class condition. Excellent trade among merchants and farmers. Last year business over \$260,000. Business well organized, with valuable trade-marks. To appreciate this opportunity you should visit the plant. Will sell at a bargain price. Offers wonderful opportunity for man with some money and ability. Plant operated by semi-Diesel fuel oil engine; very low power cost. Apply
MANASSAS FEED & MILLING COMPANY,
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OUR CARD PRINTING reflects favorably upon the business status of the user. 500 Business Cards, \$3; 1000, \$5, postpaid anywhere in United States.

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FOR SALE—Three-story, Mill-Constructed Building, 145x200, located in Atlanta, on Southern Railway, with platform track space for nine cars, equipped with elevator and sprinkler system.

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FOR SALE—Complete Lumber Manufacturing Plant with 100,000,000 feet of timber, principally L. L. Y. pine. Both Rail and Water transportation. This is a going concern. Price and terms on request.

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ALABAMA HOTEL SITE

HOTEL OR APARTMENT SITE FOR SALE—Three-fourths block, 211 feet front by 156 feet deep, on principal street of Florence, overlooking park; \$150 per foot. Also good house and 50-foot lot, two blocks from post office, on coming business street, \$10,000. P. B. HILL, Owner, Box 512, Florence, Ala.

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75 ACRES—Fronts on "Little Tenn" river, L. & N. R. R.; through it also power line; this site good for factory, ½ mile from Vonore. For more information write
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Trenton has new High School and a contract let for new Court House. We are 18 miles south of Chattanooga.

Sites free for manufacturers to right concern; exempt from taxes for five years. Plenty of water, and we are assured of power if we can get some manufacturers. Dade County Chamber of Commerce, Trenton, Georgia.

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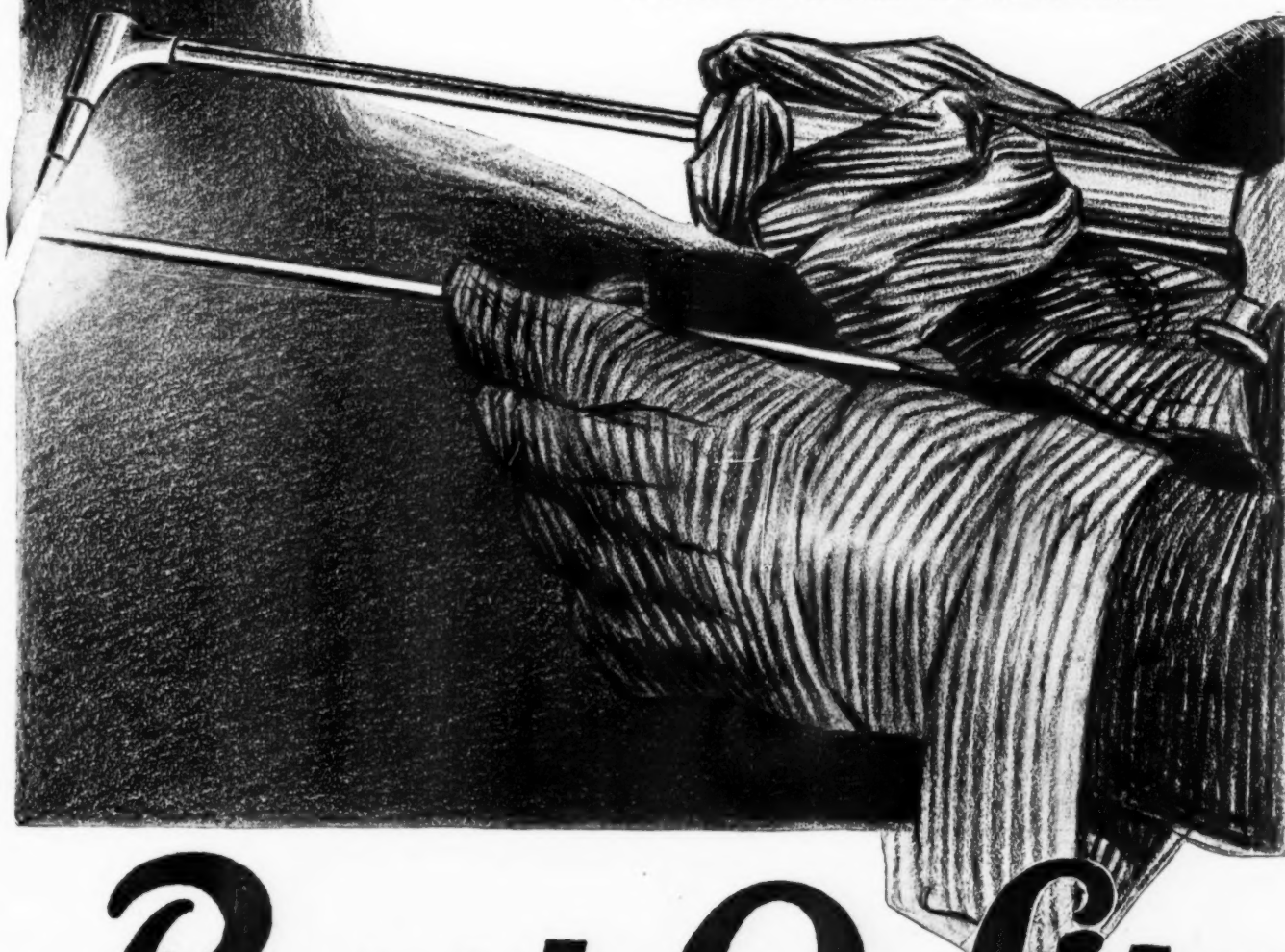
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